



Gaudent
Technology



ELECTRIC MOTORS

CATALOG



GAUDENT TECHNOLOGIES GROUP

is a design and sales company of electromechanical and hydraulics devices, founded in 2014. The founders, went back as key member of Prestolite brand high management. Cooperation Center located in Shanghai as headquarter, representative branch in Italy, Vietnam and India. Mainly Own Motor manufacture located in Ningbo and Zhongshan city. Also another three hydraulics parts OEM located in Ningbo Ruzhou and Nantong.

We provide not only components, but also motion solution, oversea logistic and warehouse service as integrated supply. Within these manufacture production capacity supporting, we can offer over 3 million pcs motor, 1 millions pcs pump, 300k pcs power unit and millions of valve other components per year. Main selling region cover European , U.S.A, India , Vietnam, South Korea , Middle-East and South East Asia In 2021 years, annualized sales of \$14.8 million who focus on material handling, construction, marine and vacuum cleaning markets.



APPLICATIONS

Gaudenttech Motors has one of the most extensive lines of DC motors in the world.

MOTOR FUNCTIONS:

- Hydraulic power packs
- Gear pump
- Motors for traction wheels Gear drive
- Linear actuators
- Winches
- Power shower

PRACTICAL APPLICATIONS:

- Pallet jacks
- Lift gates Agricultural machinery Conveyors
- Pumps
- Treadmills
- Marine
- Fork lifts
- Lifts and hoists
- Grinders and blenders
- Automatic door openers
- Salt spreaders
- Wheelchairs

DESIGN CUSTOMIZATION

- + Thermal protection
- + Wide variety of frame coatings
- + Uni-directional and bi-directional
- + Custom mounting solutions
- + Low noise designs
- + Terminal configurations
- + Replaceable brushes optional
- + IP versions
- + Continuous or intermittent duty
- + Custom shafts
- + EMI solutions
- + 12V, 24V, 36V, 48VDC
- + Long life brush-commutator systems
- + Series / compound / shunt / permanent magnet



| FRAME | FIELD | CAPABILITY NOTE | MIN SPEED (RPM) | MAX SPEED (RPM) | MIN TORQUE (FT-LB) | MAX TORQUE (FT-LB) |
|-------|-------|---------------------------|-----------------|-----------------|--------------------|--------------------|
| 2.44 | PM | to 0.27 hp, 500-7400 rpm | 500 | 7400 | 0.05 | 0.8 |
| 2.44 | PM | to 0.18 hp, 200-700 rpm | 200 | 700 | 0.35 | 3.875 |
| 2.76 | PM | to 0.8 hp, 1000-6200 rpm | 1000 | 6200 | 0.05 | 2.3 |
| 3.03 | PM | to 0.25 hp, 1000-3500 rpm | 1000 | 3500 | 0.05 | 1.077 |
| 3.1 | PM | to 1.5 hp, 1000-5800 rpm | 1000 | 5800 | 0.31 | 4.5 |
| 3.1 | PM | to 1.8 hp, 1300-5800 rpm | 1300 | 5800 | 0.3 | 5 |
| 3.23 | PM | to 1.3 hp, 500-9000 rpm | 500 | 9000 | 0.05 | 3.1 |
| 3.3 | PM | to 0.26 hp, 600-2600 rpm | 600 | 2600 | 0.26 | 1.56 |
| 3.3 | PM | to 0.30 hp, 1000-2700 rpm | 1000 | 2700 | 0.26 | 1.56 |
| 4.8 | PM | to 0.3 hp, 160-950 rpm | 160 | 950 | 0.04 | 5.5 |
| 4.8 | PM | to 2.0 hp, 1800-2900 rpm | 1800 | 2900 | 2 | 6 |
| 3.7 | WF | to 2.3 hp, 2400-4900 rpm | 2400 | 4900 | 1 | 5 |
| 3.7 | WF | to 1.6 hp, 700-6500 rpm | 700 | 6500 | 0.37 | 7 |
| 3.7 | WF | to 2.3 hp, 900-5000 rpm | 900 | 5000 | 1 | 10 |
| 3.74 | WF | to 0.5 hp, 2800-4400 rpm | 2800 | 4400 | 0.1 | 0.657 |
| 4.5 | WF | to 3.0 hp, 2500-4300 rpm | 2500 | 4300 | 1.16 | 6.29 |
| 4.5 | WF | to 3.0 hp, 1600-3400 rpm | 1600 | 3400 | 1 | 10 |
| 4.5 | WF | to 1.2 hp, 600-3000 rpm | 600 | 3000 | 1 | 10 |
| 4.5 | WF | to 3.5 hp, 1800-4400 rpm | 1800 | 4400 | 1 | 10 |
| 4.5 | WF | to 3.6 hp, 1900-4500 rpm | 1900 | 4500 | 1 | 10 |
| 4.5 | WF | to 3.3 hp, 1700-3600 rpm | 1700 | 3600 | 2 | 10 |
| 4.5 | WF | to 4.8 hp, 2500-5100 rpm | 2500 | 5100 | 2 | 10 |
| 4.5 | WF | to 3.3 hp, 1700-3700 rpm | 1700 | 3700 | 2 | 10 |
| 4.5 | WF | to 3.3 hp, 1700-3800 rpm | 1700 | 3800 | 2 | 10 |
| 4.5 | WF | to 3.2 hp, 1600-3500 rpm | 1600 | 3500 | 2 | 10 |
| 4.5 | WF | to 3.9 hp, 2000-4000 rpm | 2000 | 4000 | 2 | 10 |
| 4.5 | WF | to 3.0 hp, 1500-3600 rpm | 1500 | 3600 | 2 | 10 |
| 4.5 | WF | to 4.3 hp, 1900-3600 rpm | 1900 | 3600 | 2 | 12 |
| 4.5 | WF | to 4.5 hp, 1900-4000 rpm | 1900 | 4000 | 2 | 12 |
| 4.5 | WF | to 4.2 hp, 1800-3800 rpm | 1800 | 3800 | 2 | 12 |
| 4.5 | WF | to 4.5 hp, 1900-4100 rpm | 1900 | 4100 | 2 | 12 |
| 4.5 | WF | to 4.3 hp, 1400-4000 rpm | 1400 | 4000 | 1 | 16 |
| 5 | WF | to 7.5 hp, 2500-5000 rpm | 2500 | 5000 | 2 | 16 |
| 5 | WF | to 6.9 hp, 2200-4800 rpm | 2200 | 4800 | 2 | 16 |
| 5 | WF | to 7.9 hp, 2600-5300 rpm | 2600 | 5300 | | 16 |

| PLATFORM | DESCRIPTION | APPLICATIONS | POWER |
|-------------------|---|---|---------------------|
| PMSS | 12 /Slot/2 Pole, 2.19" Diameter, Pmdc, 12 Vdc, 120 Vac | Gear Drive/Miniature Pump | 1/12-1/8 Horsepower |
| PM62 | 12 Slot/2 Pole, 2.44" Diameter, Pmdc, 12-48 Vdc I 120-240 Vac | Coffee Grinder/Vending Line Actuator Power Shower/Pump | 1/10-1/6 Horsepower |
| PM62 | 10 Slot/2 Pole, 2.56" Diameter, Pmdc,12-48 Vdc, 120 Vac | Small Gasoline Engine/Starter/ Door Opener Gear Motor/Line Actuator | 1/10-1/6 Horsepower |
| PM70 | 22 Slot/2 Pole, 2.87" Diameter, Pmdc | Treadmill/Gear/Pump/Pool Cleaner Industrial/Drive/ Machine Tool | 1/8-1/6 Horsepower |
| PM7 7 | 12 Slot/2 Pole, 3.04" Diameter, Pmdc12-48 Vdc 120-240 Vac | Treadmill/Gear/Pump/Conveyor Industrial Drive Actuator/Heel Chair | 1/6-1/4 Horsepower |
| PM119 | 2 3 Slot/6 Pole, 3.1" Diameter, Pmdc 12-24 Vdc | Pump/Gear/Machine Tool/ Controlled Motion Actuator Wheelchair/Machine Tool | 1/6-1/4 Horsepower |
| PM80 | 16 Slot4 Pole, 3.1" Diameter, Pmdc 12-24 Vdc | High Torque Starter/Pump/ Fork Lift Power Pack/Hydraulic Applications | 1/4-1.0 Horsepower |
| PM93 | 16 Slot2 Pole, 3.23" Diameter, Pmdc12-48 Vdc, 120-240 Vac | Pump/Lawn Mower/Gear/Fork Lift/ Power Pack/Vending | 1/8-1/3 Horsepower |
| PM93 | 12 Slot2 Pole 3.3" Diameter, Pmdc12-24 Vdc | Pump/Military Vehicle/Emergency Vehicle/Hydraulics | 1/8-1/3 Horsepower |
| 4.0" PMDC | 4.00' Development, 4.00' Diameter, Pmdc12-48 Vdc, 120-240 Vac | Wheelchair/Pump/Hydraulic Controlled Motion/Machine Tool | 1/4-1.0 Horsepower |
| M 4.5" | Horsepower, 4.5" Diameter, Wfdc 12-24 Vdc | Power Pack/Hydraulics/Rv Industry/Fork Lift | 1.0-4.6 Horsepower |
| M5.0" | Horsepower,5.00" Diameter, Wfdc 12-24 Vdc | Traction /Man Lift/Boom Lift/ Hydraulics | 2.0-7.0 Horsepower |
| MWFDC4.5" | Development Horsepower, High Performance Fan Cooled, Wfdc 4.5" Diameter | Power Packs/Traction/Fork Lift/ Hydraulics | 2.0-6.0 Horsepower |
| MWFDCS.0" | Development Horsepower, Compact 5.00', Wfdc 5.0" Diameter | Pump/ Power Pack/ Traction Fork Lift / Hydraulics | 2.0-5.0 Horsepower |
| 4.75" PMDC | Development Horsepower, 6-Pole Pmdc | Drive Motor For Torque Wheel For Three Wheel Lift Truck/ Light Duty Traction Applications | 1.5-2.5 Horsepower |
| 3.0" PMDC | Development Pmdc Motor Horsepower, 6-Pole 24 Slot | Ambulance Gurney Lift/ High Power Small Package Medical Applications | 1.00-1.5 Horsepower |

GENERAL MOTOR INFORMATION

Gaudeentech motors are available in three types : PMDC , Wound Field , and Shunt Wound Series Universal . Motors range from a few amps to 100 amps and are used in a wide range of applications. Some general technical information of itsmotors can be found below

REFERENCE

INSULATION CLASS

The insulation class of a motor reflects the maximum temperature the motor can endure without damage to the internal insulation materials. The following are recognized insulation class ratings by Underwriters Laboratory:

| Class | A | E | B | F | H | N |
|------------------|-----|-----|-----|-----|-----|-----|
| Temperature (°C) | 105 | 120 | 130 | 155 | 180 | 200 |

TYPE OF MOTOR DUTY

The International Electrotechnical Commission uses eight duty cycle designations to describe an electrical motor’s operating conditions:

S1 = Continuous Duty

The motor works at a constant load for enough time to reach temperature equilibrium.

S2 = Short-Time Duty

The motor works at a constant load, but not long enough to reach temperature equilibrium. The rest periods are long enough for the motor to reach ambient temperature.

S3 = Intermittent Periodic Duty

Sequential, identical run and rest cycles with constant load. Temperature equilibrium is never reached. Starting current has little effect on temperature rise.

S4 = Intermittent Periodic Duty with Starting

Sequential, identical start, run and rest cycles with constant load. Temperature equilibrium is not reached, but starting current affects temperature rise.

S5 = Intermittent Periodic Duty with Electric Braking

Sequential, identical cycles of starting, running at constant load and running with no load. No rest periods.

S6 = Continuous Operation with Intermittent Load

Sequential, identical cycles of running with constant load and running with no load. No rest periods.

S7 = Continuous Operation with Electric Braking

Sequential identical cycles of starting, running at constant load and electric braking. No rest periods.

S8 = Continuous Operation with Periodic Changes in Load and Speed

Sequential, identical duty cycles run at constant load and given speed, then run at other constant loads and speeds. No rest periods.

PROTECTION DEGREE

The protection designation indicates the level of prevention between live (electrical) parts of the motor and people or foreign matter and the ability of the motor to prevent the penetration of water.

DESIGNATION IPXX

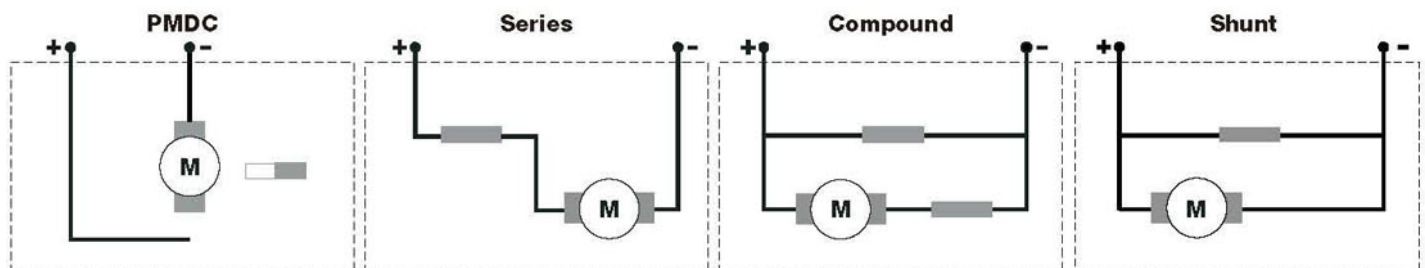
IP FIRST NUMBER - PROTECTION AGAINST SOLID OBJECTS

- 0** = No special protection
- 1** = Protected against solid objects over 50 mm, e.g. accidental touch by persons hands
- 2** = Protected against solid objects over 12 mm, e.g. persons fingers
- 3** = Protected against solid objects over 2.5 mm (tools and wires)
- 4** = Protected against solid objects over 1 mm (tools, wires, and small wires)
- 5** = Protected against dust limited ingress (no harmful deposit)
- 6** = Totally protected against dust

IP SECOND NUMBER - PROTECTION AGAINST LIQUIDS

- 0** = No protection
- 1** = Protection against vertically falling drops of water e.g. condensation
- 2** = Protection against direct sprays of water up to 15° from the vertical
- 3** = Protected against direct sprays of water up to 60° from the vertical
- 4** = Protection against water sprayed from all directions - limited ingress permitted
- 5** = Protected against low pressure jets of water from all directions - limited ingress
- 6** = Protected against temporary flooding of water, e.g. for use on ship decks - limited ingress permitted
- 7** = Protected against the effect of immersion between 15 cm and 1 m
- 8** = Protects against long periods of immersion under pressure

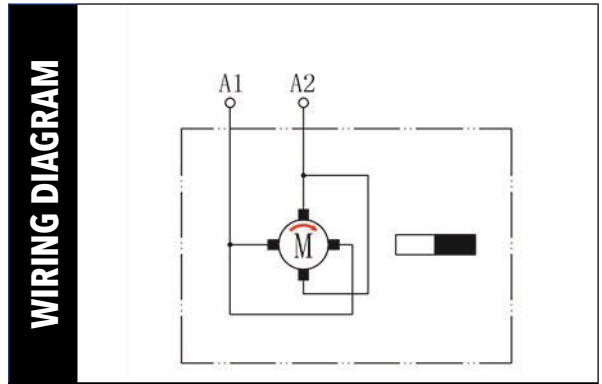
DC MOTOR EXAMPLES



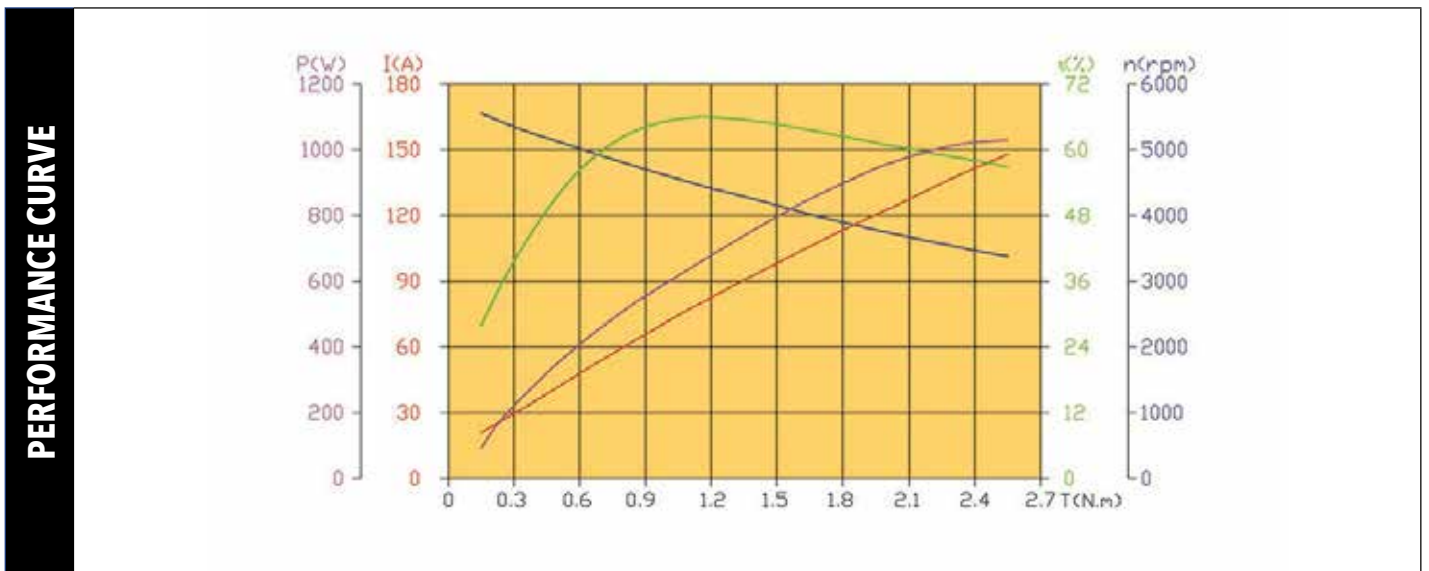
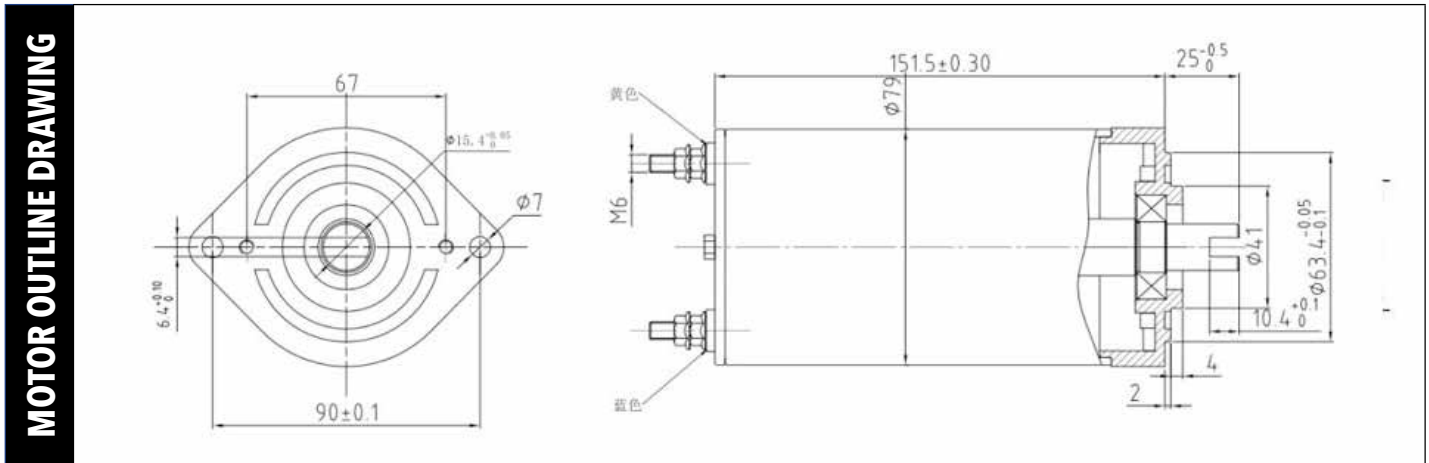


NOTE: CAN BE FITTED WITH K FRONT COVER

1 Z D 0 0 4 - J 0 0 6 - X X
A B C



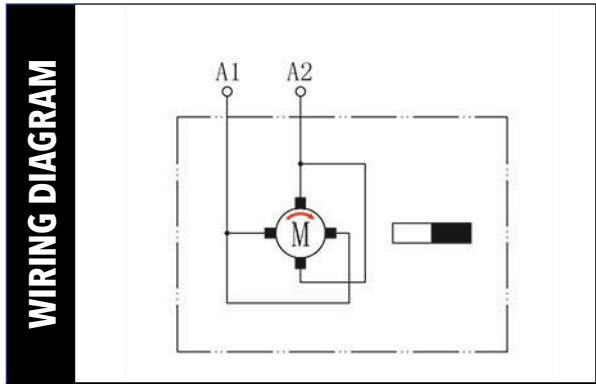
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD004-J0006-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 800 | 130 | 2.2 | 2min - 7%ED | F | IP54 | 9 | CW | 2.6 |



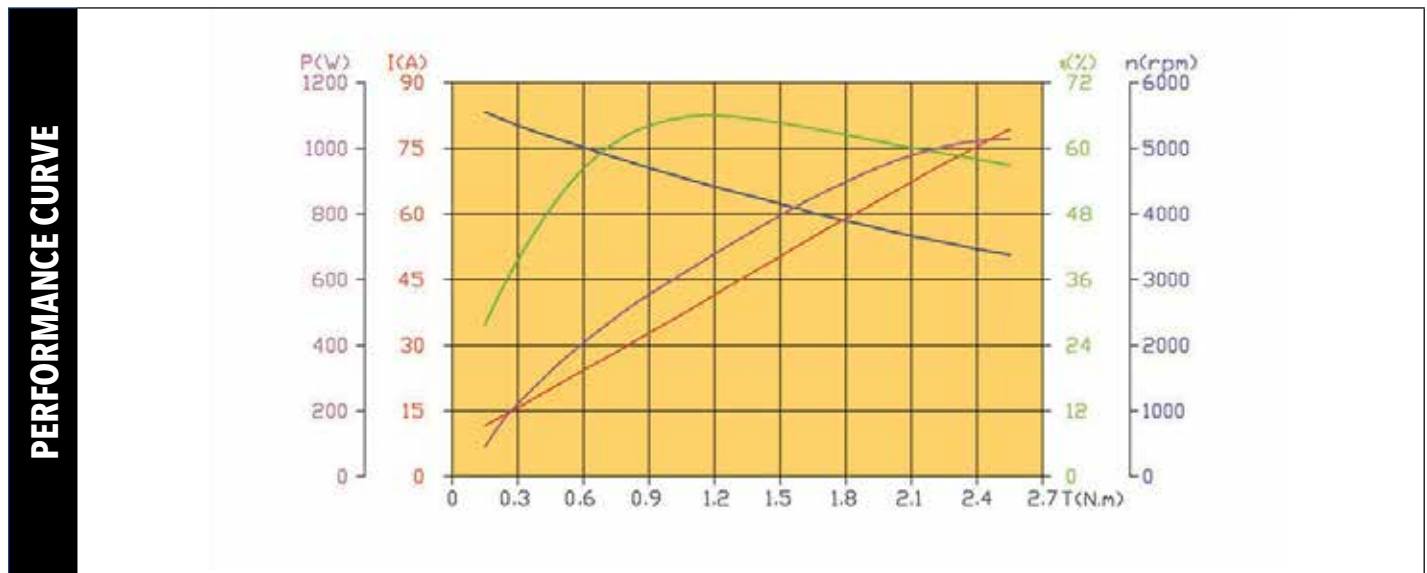
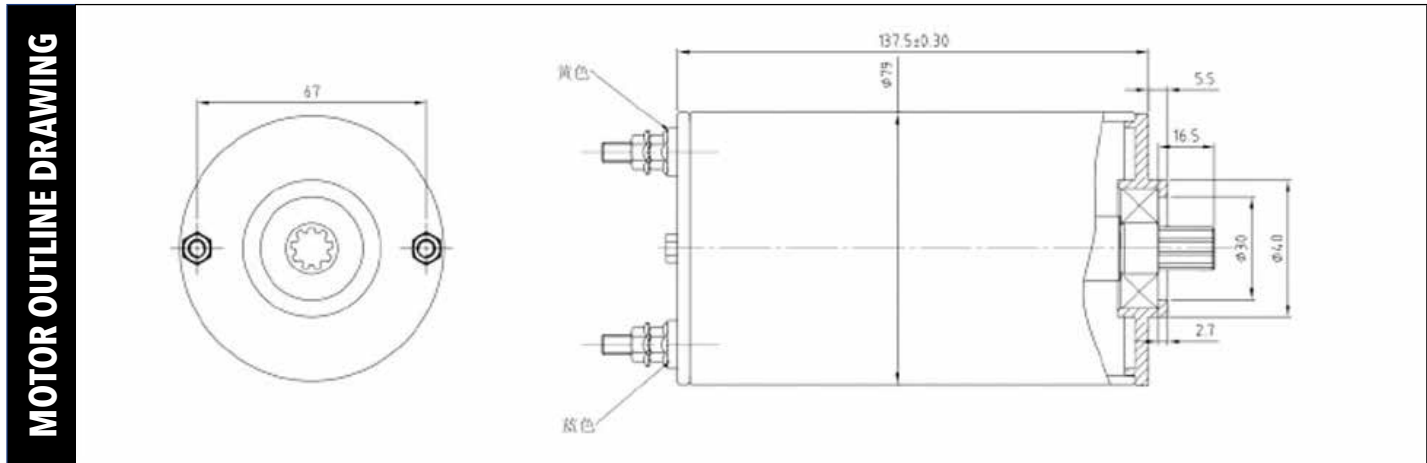


NOTE: CAN BE FITTED WITH K FRONT COVER

1 Z D 0 0 3 - J 0 0 6 - X X
 A B C

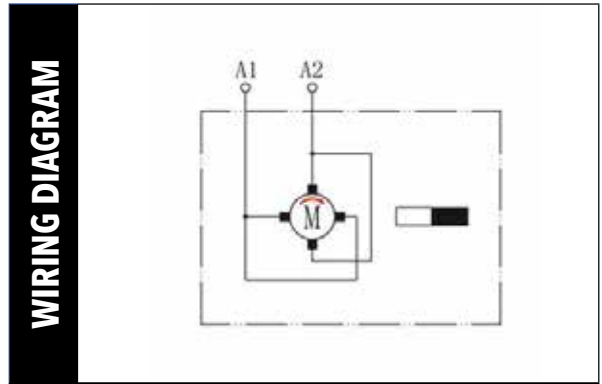


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD003-J0006-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 800 | 65 | 2.2 | 2min - 7%ED | F | IP54 | 9 | CW | 2.6 |



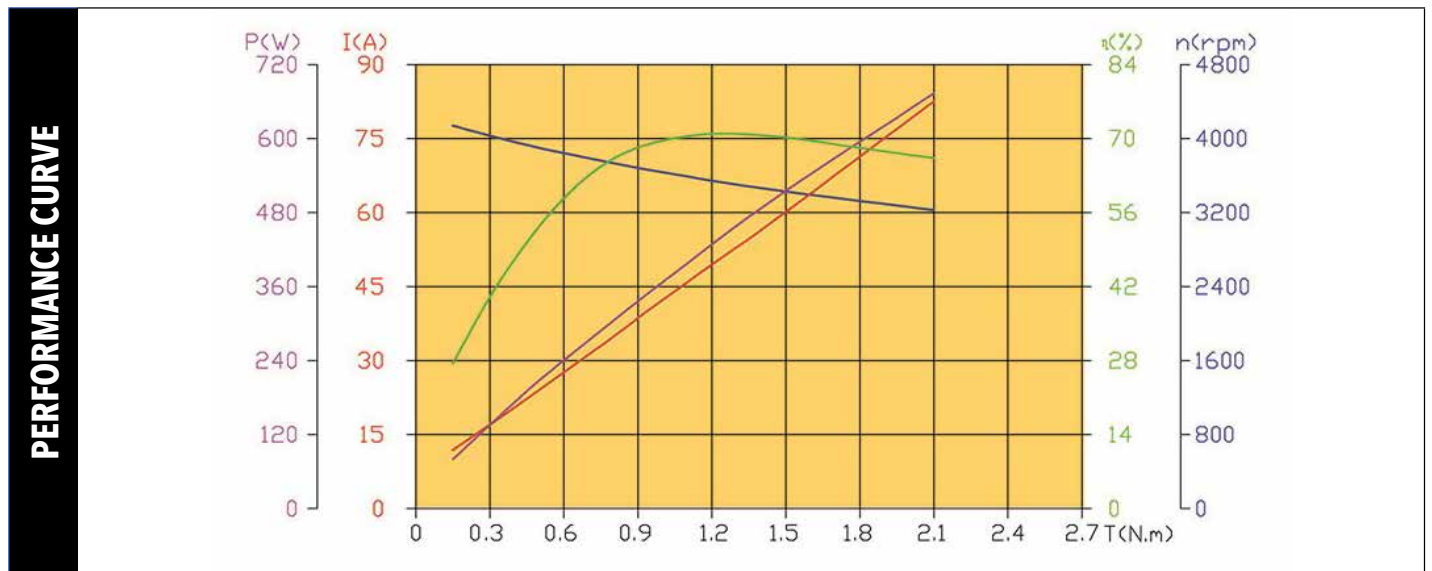
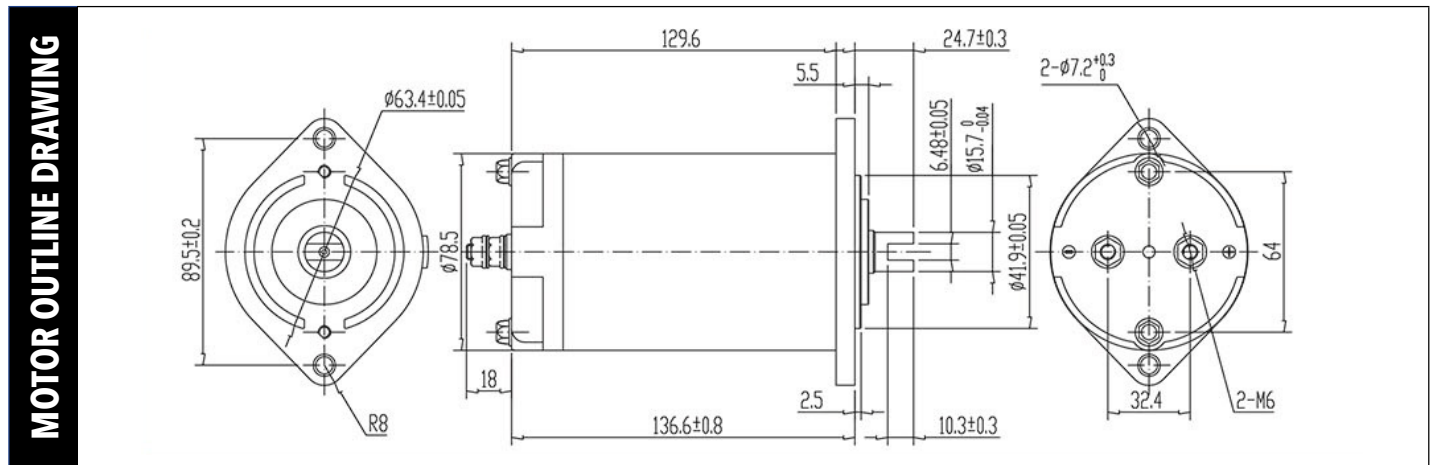


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A B C



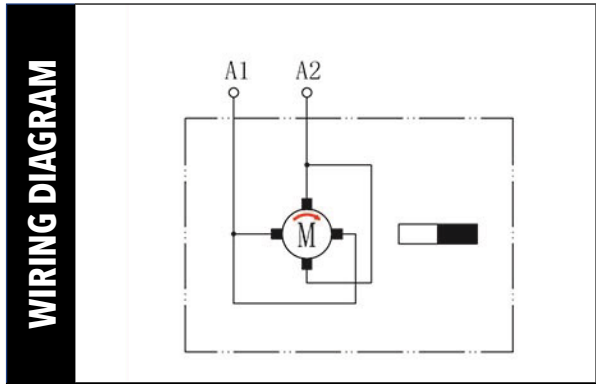
NOTE: CAN BE FITTED WITH B, C FRONT COVER. CAN BE FITTED WITH 120 °C THERMAL SENSOR. THE MOTOR POWER RATING IS THE INPUT POWER

| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD007-J0006-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 800 | 130 | 2.2 | 2min - 7%ED | F | IP54 | 2 | CW | 2.6 |



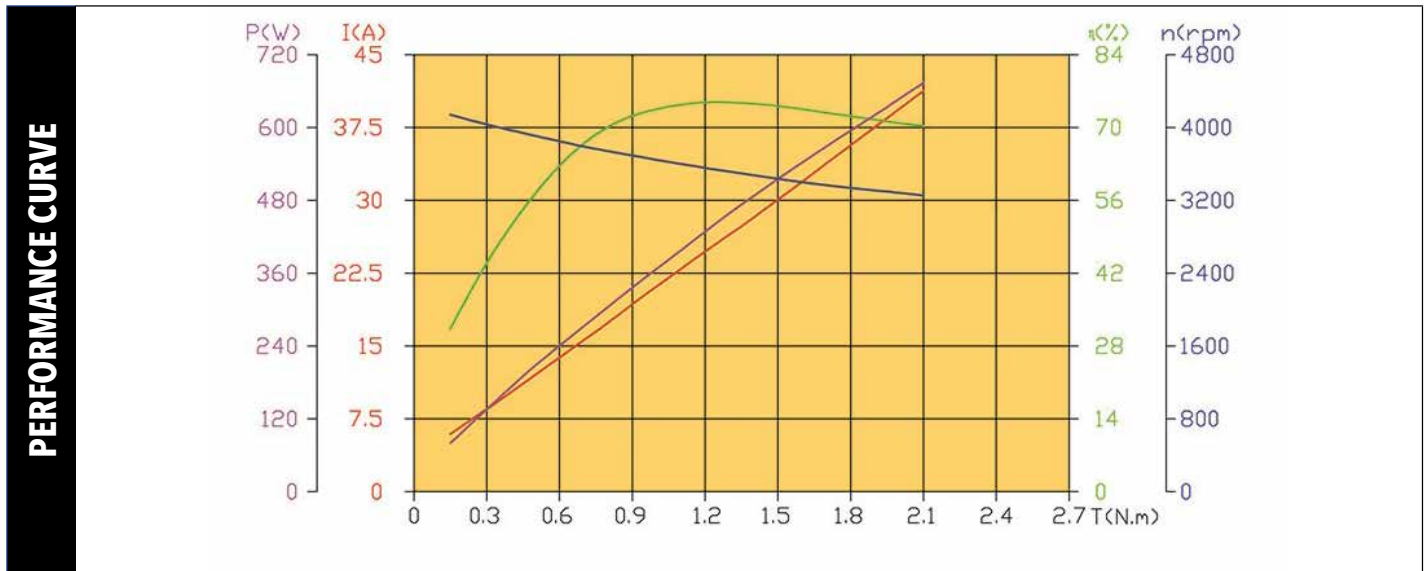
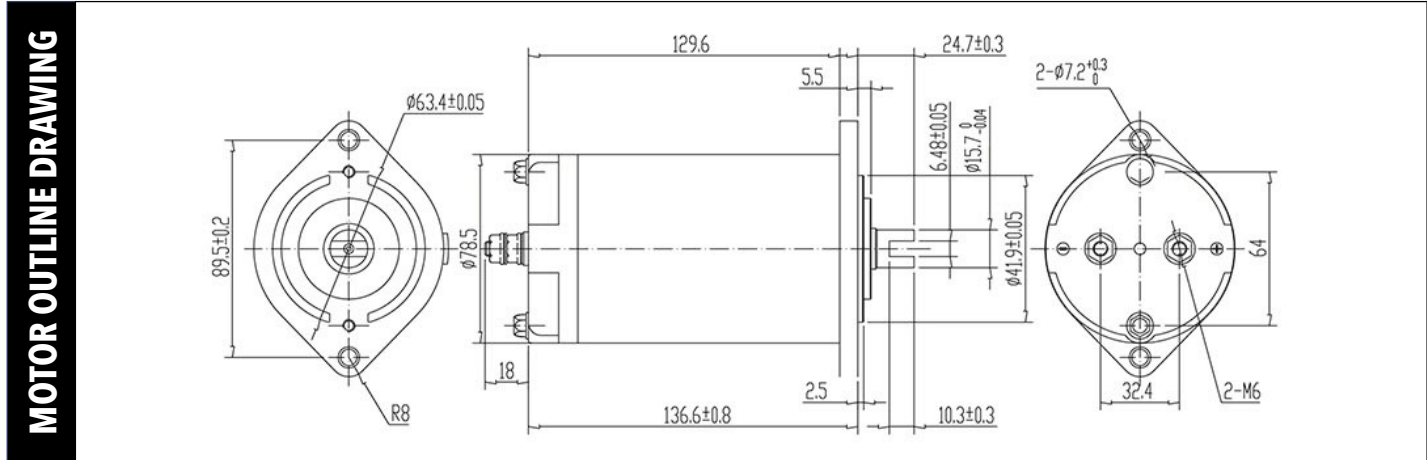


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 A B C



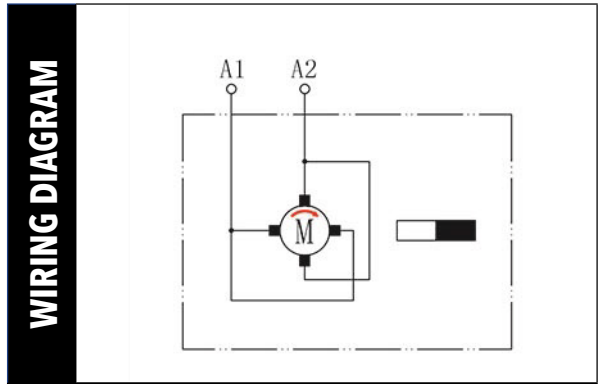
NOTE: CAN BE FITTED WITH B, C FRONT COVER. CAN BE FITTED WITH 120 °C THERMAL SENSOR. THE MOTOR POWER RATING IS THE INPUT POWER

| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD008-J0006-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 800 | 65 | 2.2 | 2min - 7%ED | F | IP54 | 2 | CW | 2.6 |



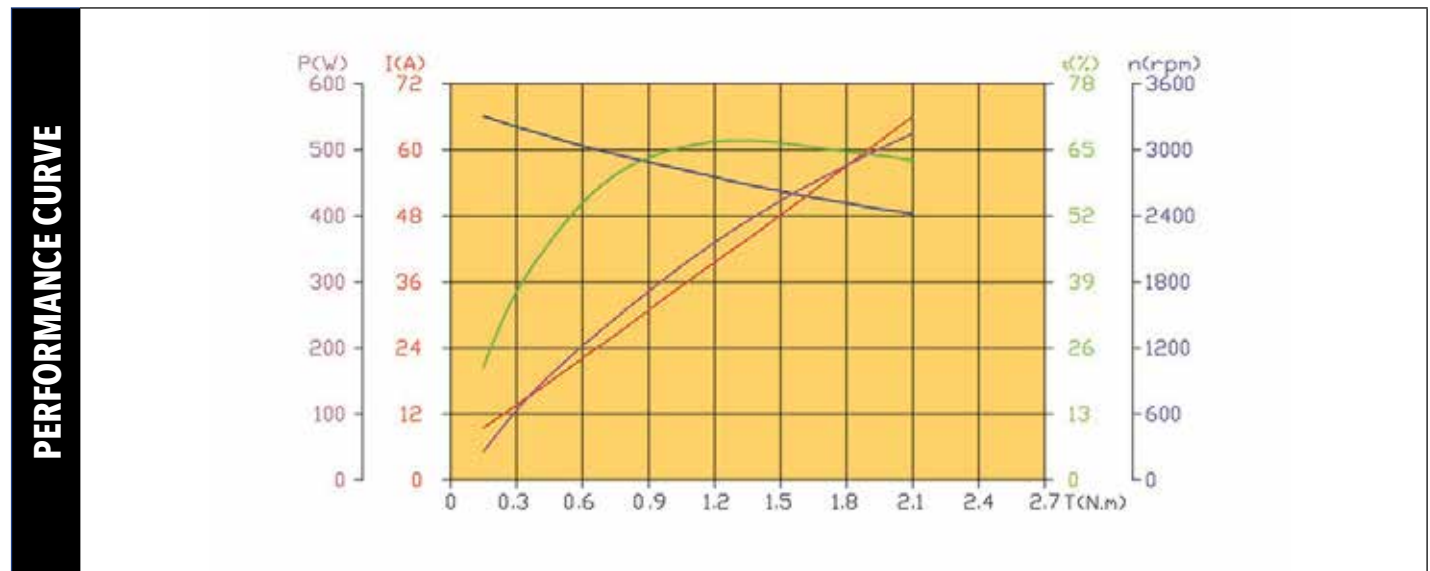
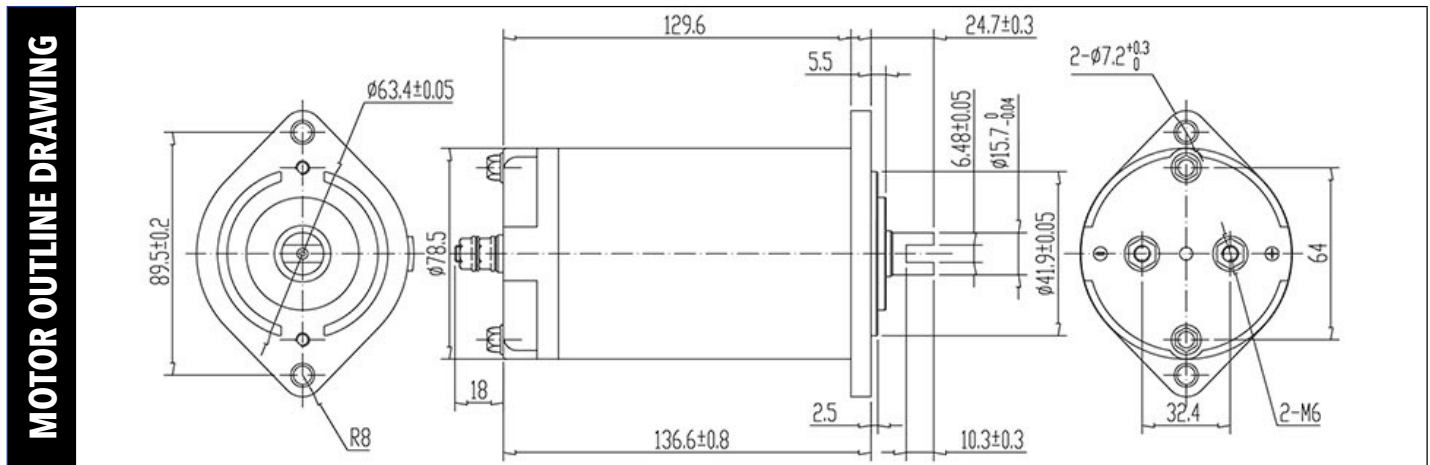


1 Z D 0 7 1 - A 0 0 4 - X X
A B C



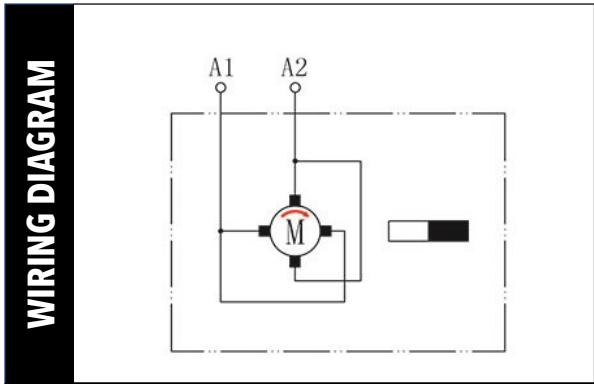
NOTE: CAN BE FITTED WITH B, C FRONT COVER. CAN BE FITTED WITH 120 °C THERMAL SENSOR

| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD071-A004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 500 | 68 | 2.0 | 2.5min-8%ED | F | IP54 | 2 | CW | 2.6 |



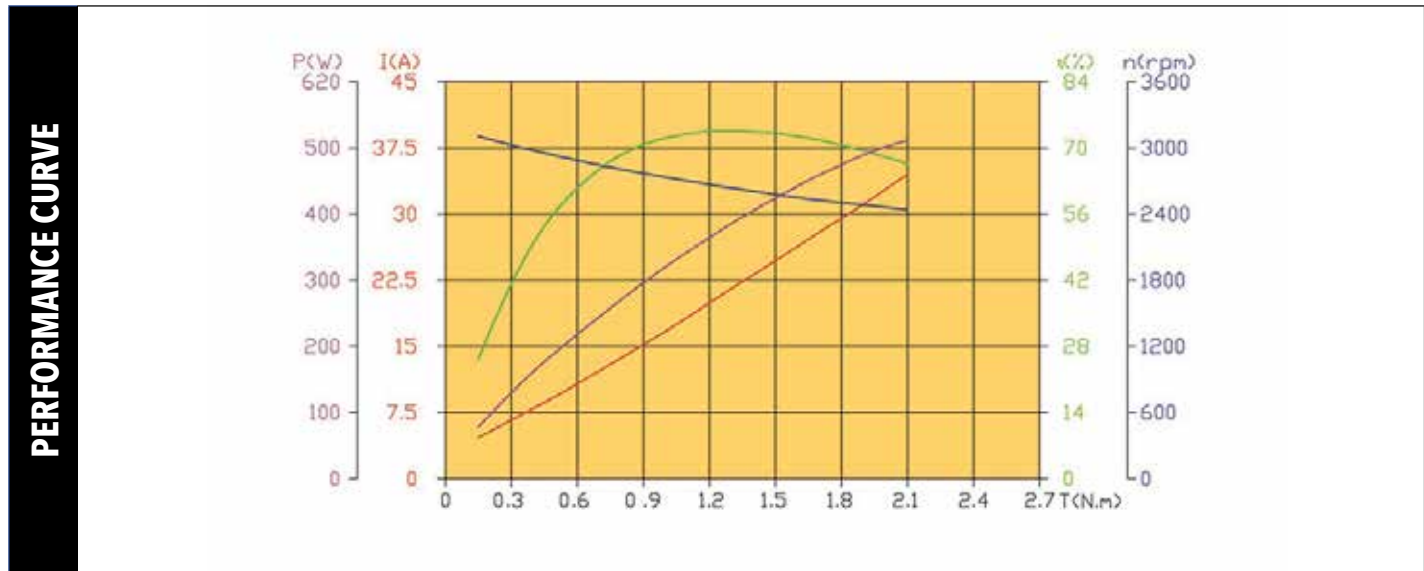
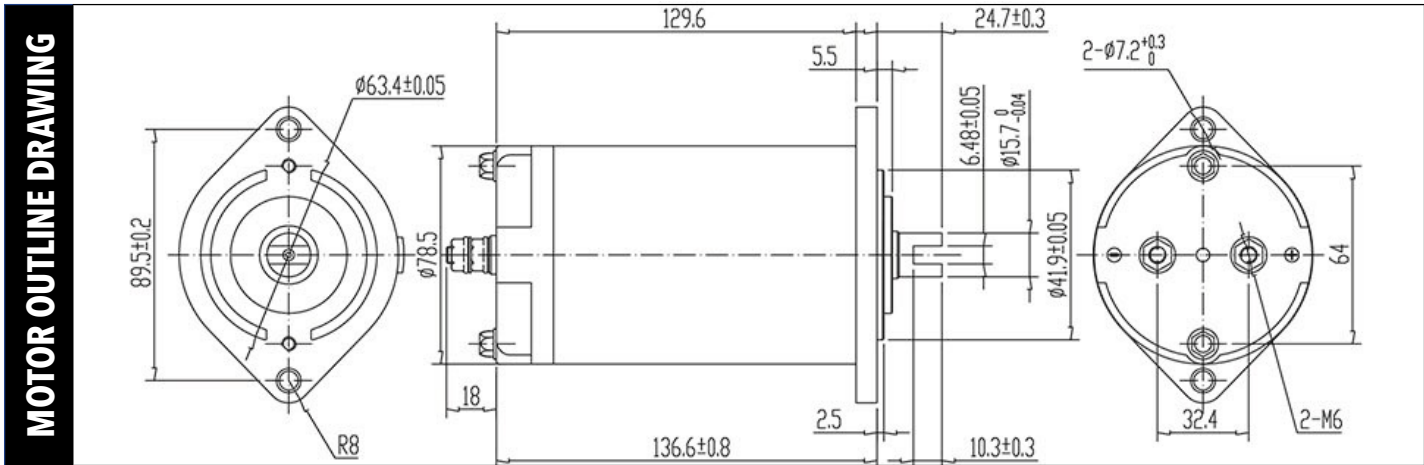


1 Z D 0 7 2 - A 0 0 4 - X X
 A B C



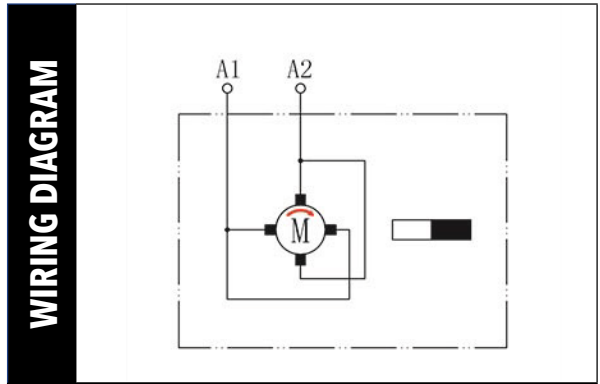
NOTE: CAN BE FITTED WITH B, C FRONT COVER. CAN BE FITTED WITH 120 °C THERMAL SENSOR

| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD072-A004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 500 | 34 | 2.0 | 2.5min-8%ED | F | IP54 | 2 | CW | 2.6 |

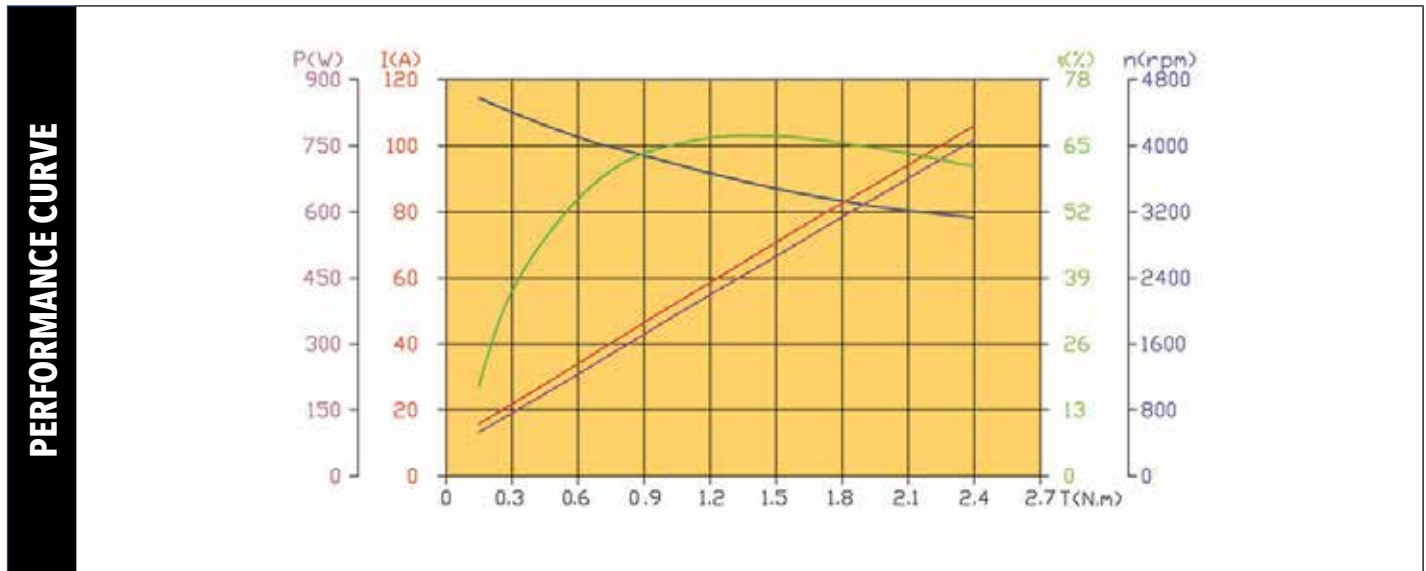
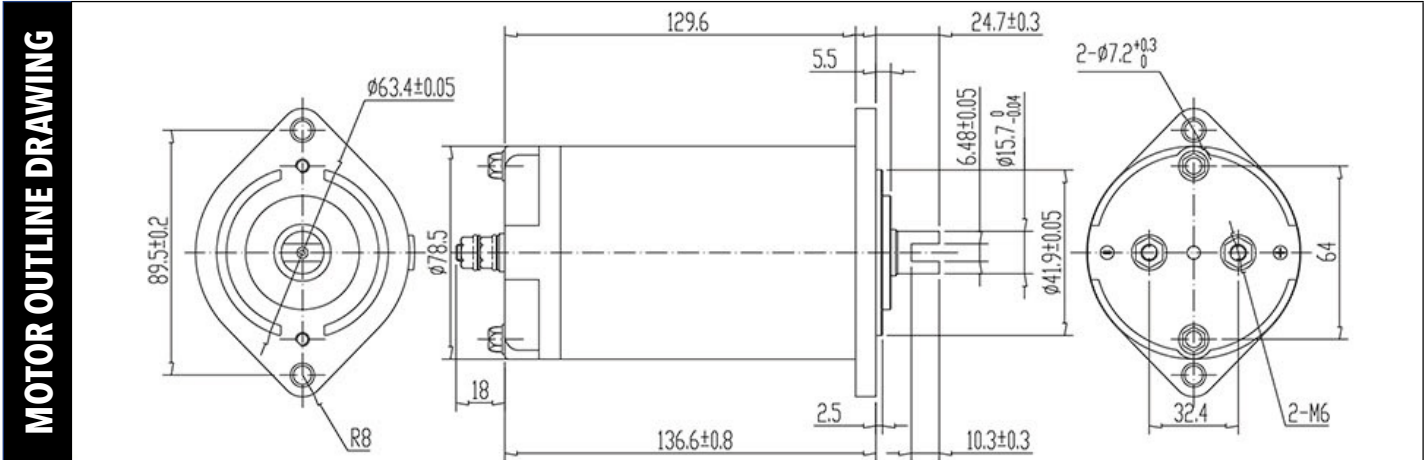




1 Z D 0 7 5 - A 0 0 4 - X X
A B C

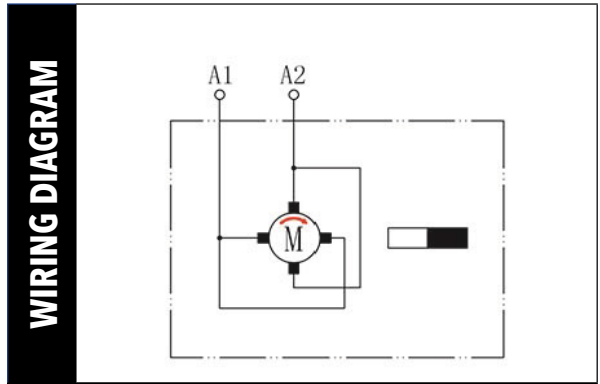


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD075-A004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 800 | 100 | 2.0 | 2.5min-8%ED | F | IP54 | 2 | CW | 2.6 |

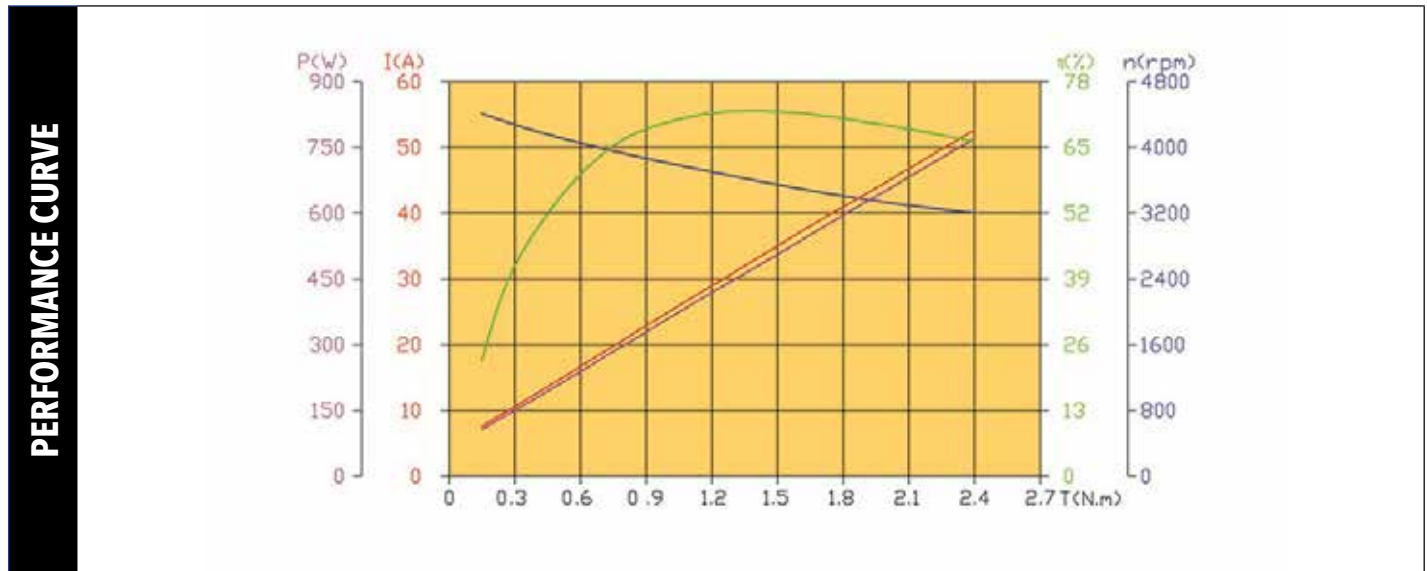
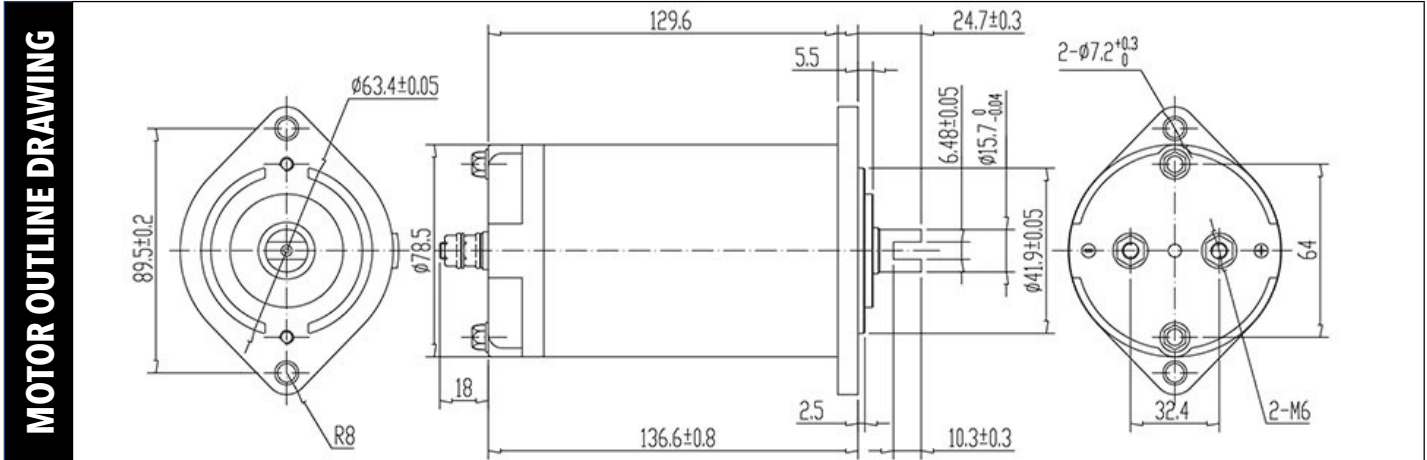




1 Z D 0 7 6 - A 0 0 4 - X X
A B C



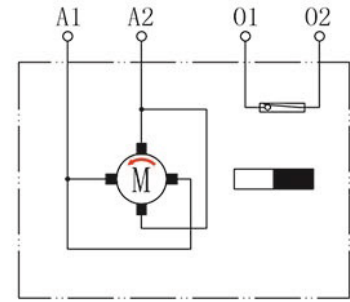
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD076-A004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 800 | 50 | 2.0 | 2.5min-8%ED | F | IP54 | 2 | CW | 2.6 |





1 Z D 0 8 7 - A W T 4 - X X
A B C

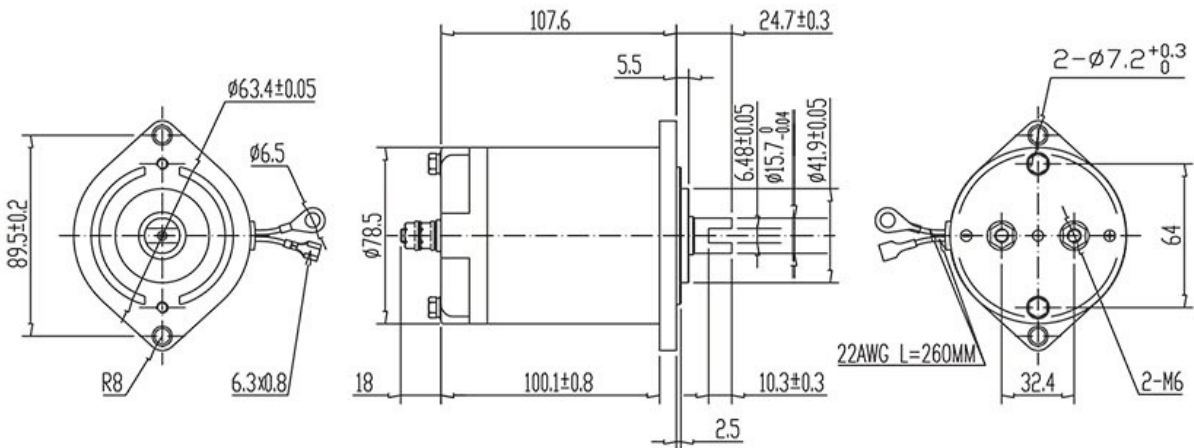
WIRING DIAGRAM



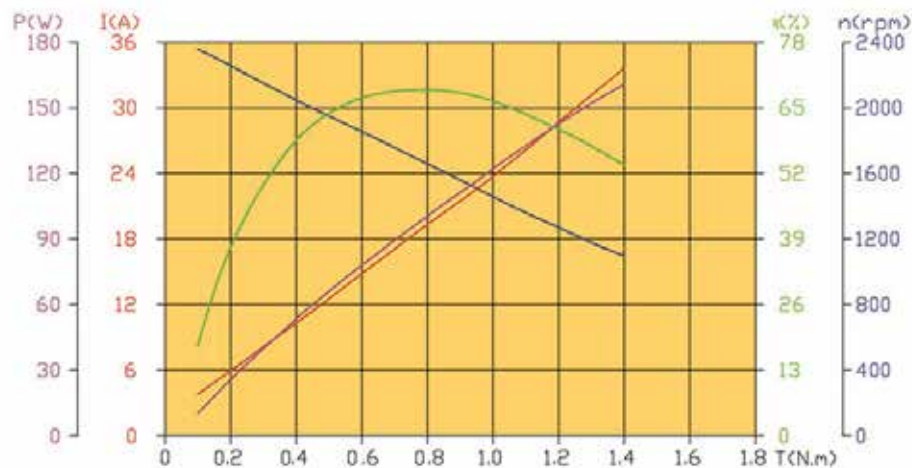
TECHNICAL DATA

| MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| ZD087-AWT4-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| 12 | 50 | 30 | 1.2 | 2.5min-8%ED | F | IP54 | 2 | CCW | 2.2 |

MOTOR OUTLINE DRAWING

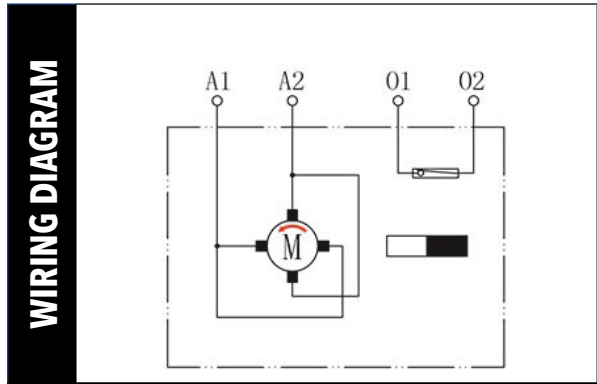


PERFORMANCE CURVE

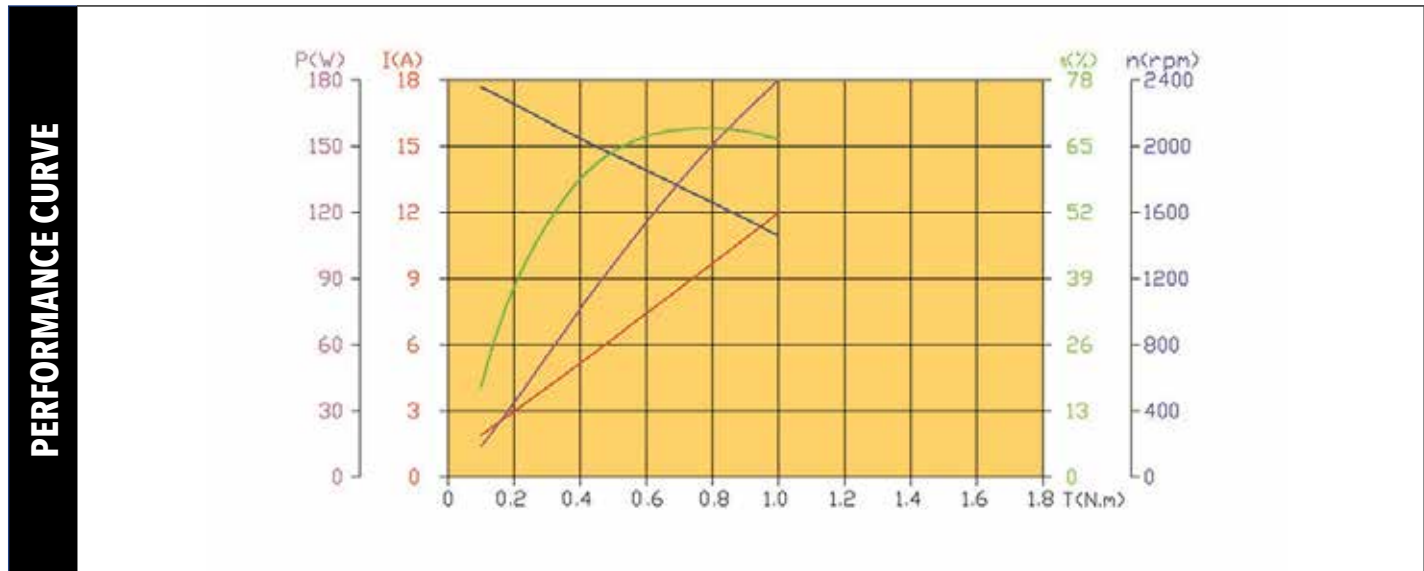
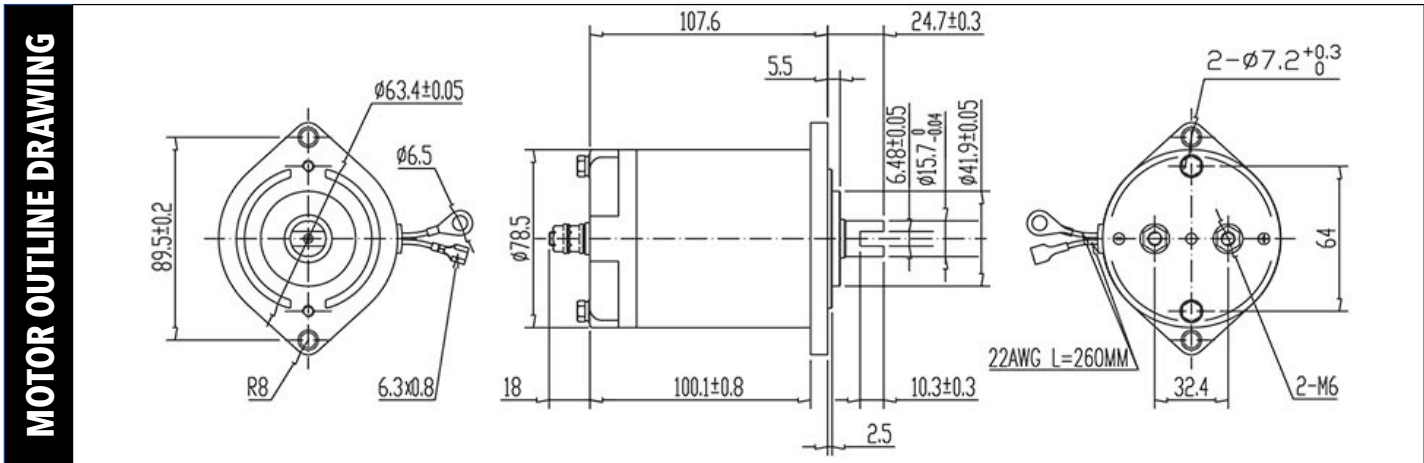




1 Z D 0 8 8 - A W T 4 - X X
 A B C

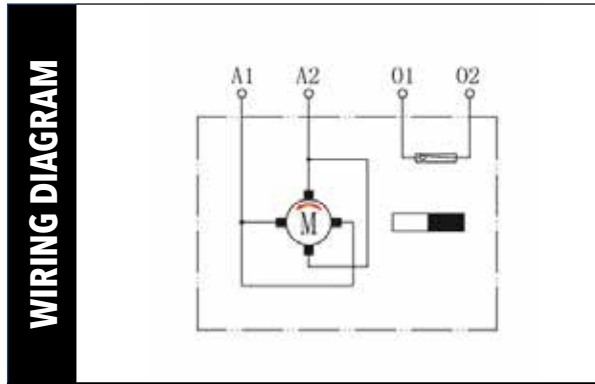


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD088-AWT4-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 150 | 12 | 0.8 | 2.5min-8%ED | F | IP54 | 2 | CCW | 2.2 |



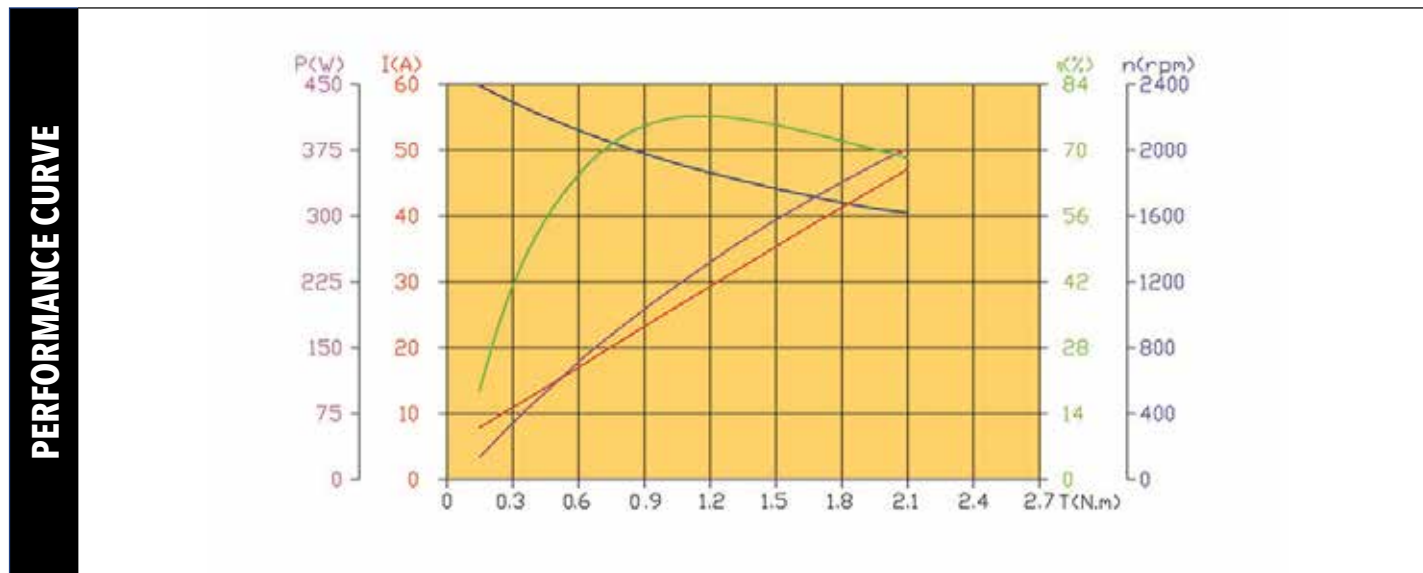
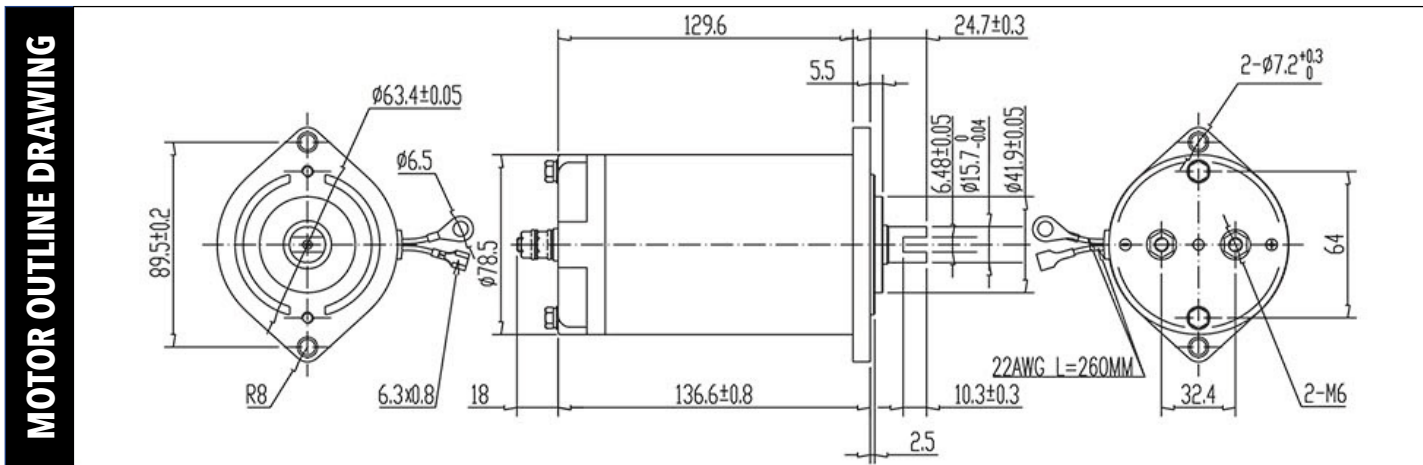


1 Z D 0 8 9 - A W T 4 - X X
A B C



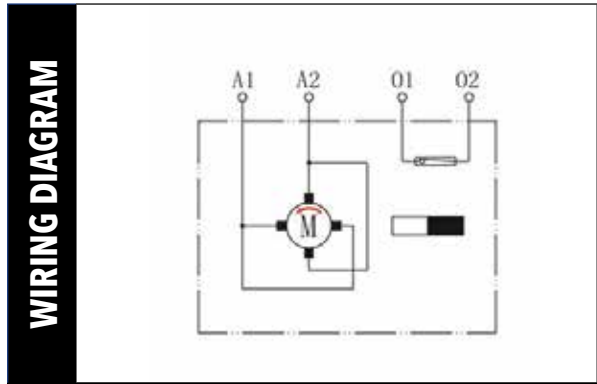
NOTE: CAN BE FITTED WITH B, C FRONT COVER

| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD089-AWT4-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 300 | 38 | 1.6 | 2.5min - 8%ED | F | IP54 | 2 | CCW | 2.6 |



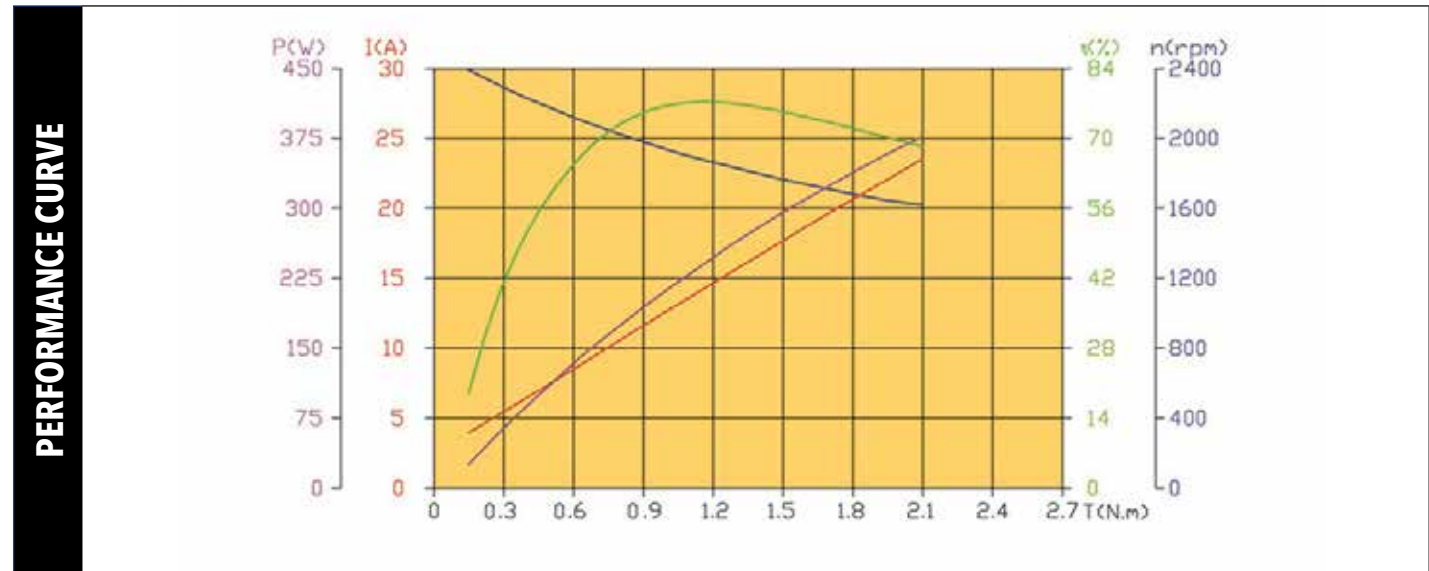
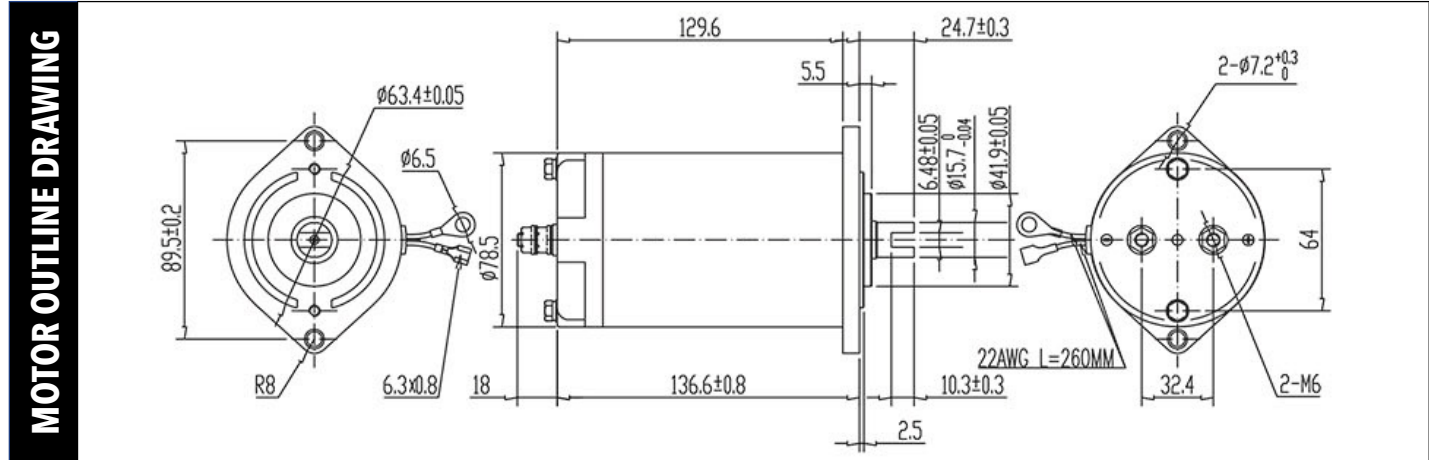


1 Z D 0 9 0 - A W T 4 - X X
 A B C



NOTE: CAN BE FITTED WITH B, C FRONT COVER

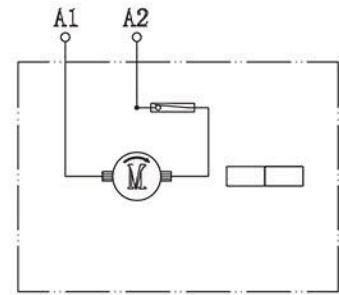
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD090-AWT4-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 300 | 19 | 1.6 | 2.5min-8%ED | F | IP54 | 2 | CCW | 2.6 |



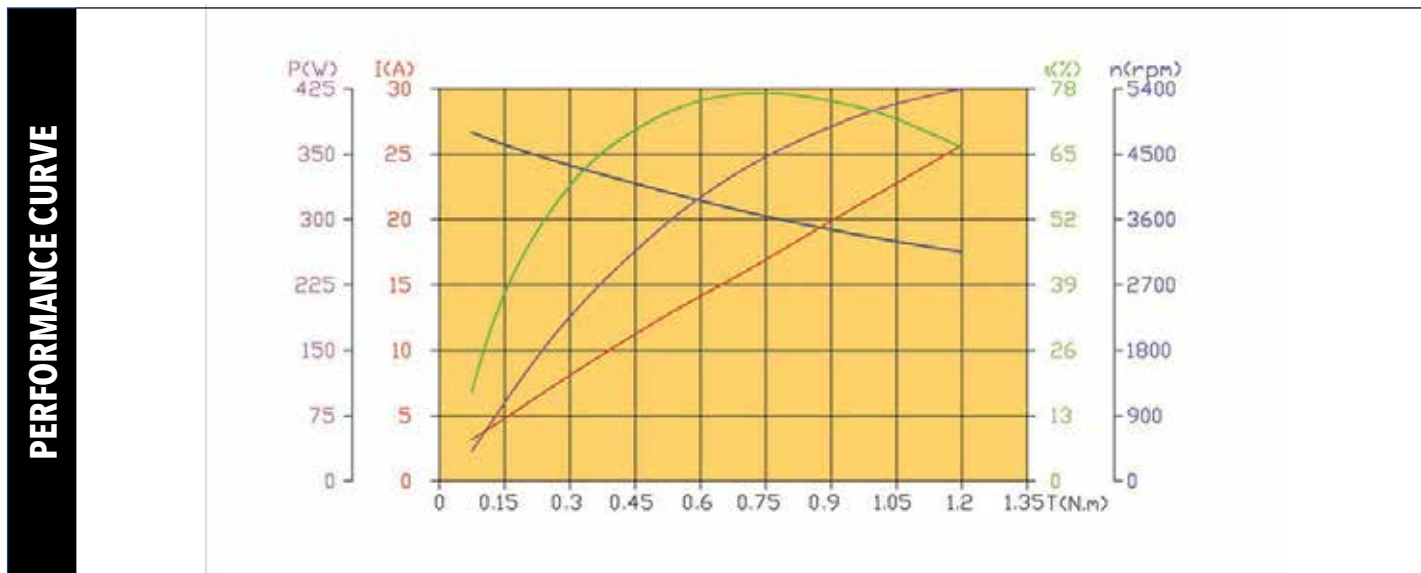
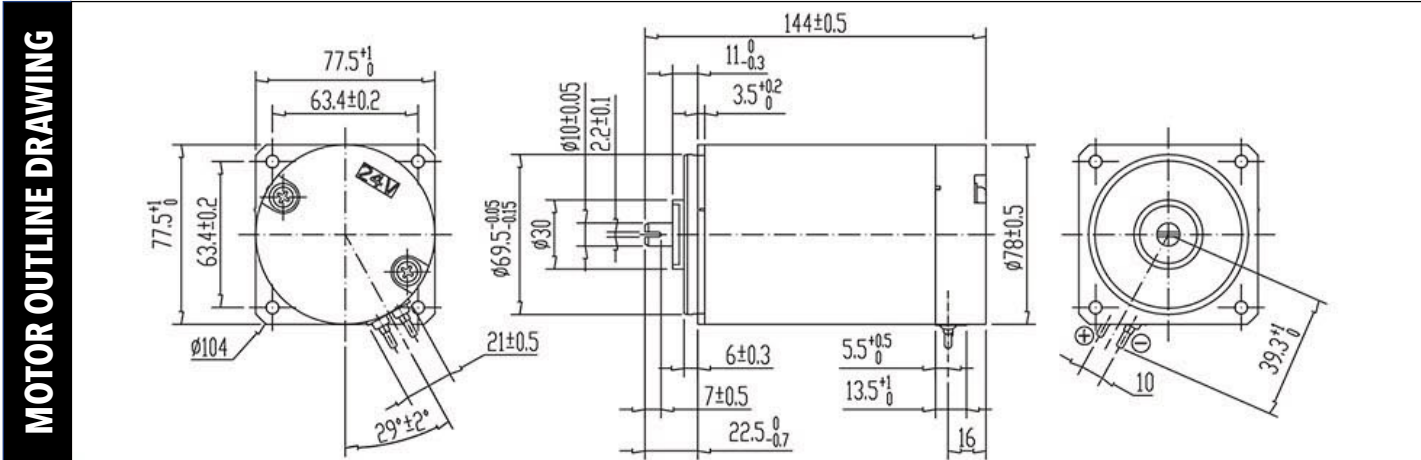


1 Z D 0 9 4 - - -
A B C

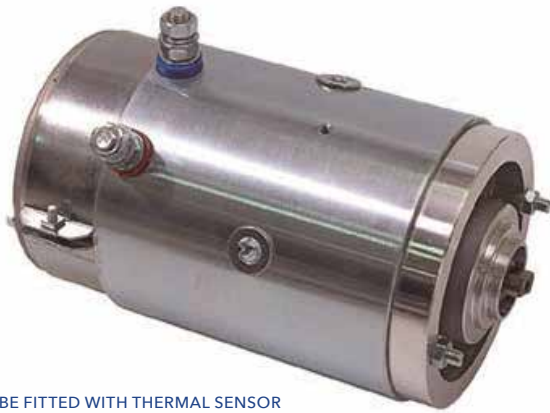
WIRING DIAGRAM



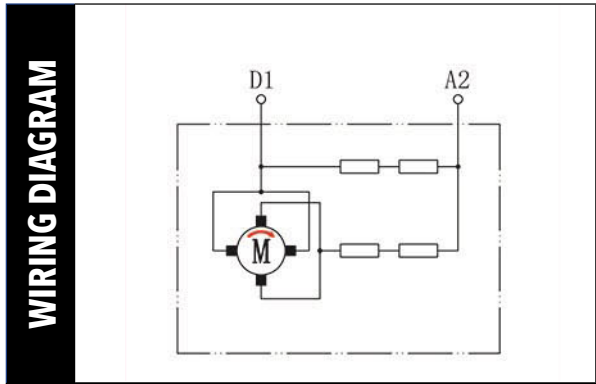
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|----------------------|------------------|------------------|-------------|----------|-------------|
| | | ZD094 | | | TRUCK CAB TILT MOTOR | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 350 | 20 | .85 | 3min - 10%ED | F | IP67 | 2 | CW | 2 |



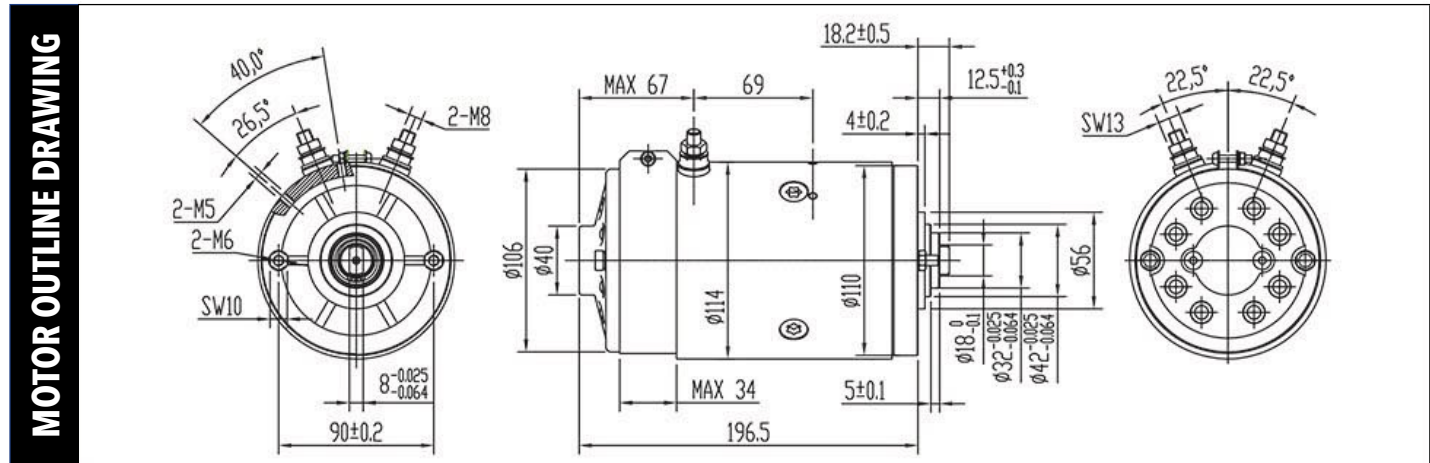
1 Z D 0 4 6 - H 0 0 4 - X X
 A B C



NOTE: CAN BE FITTED WITH THERMAL SENSOR



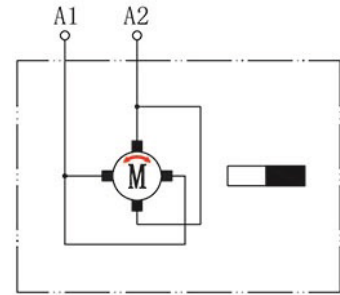
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD046-H004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 2100 | 120 | 7 | 3min - 10%ED | F | IP54 | 1 | CW | 6.9 |





1 Z D 0 2 3 - 0 0 0 4 - X X
A B C

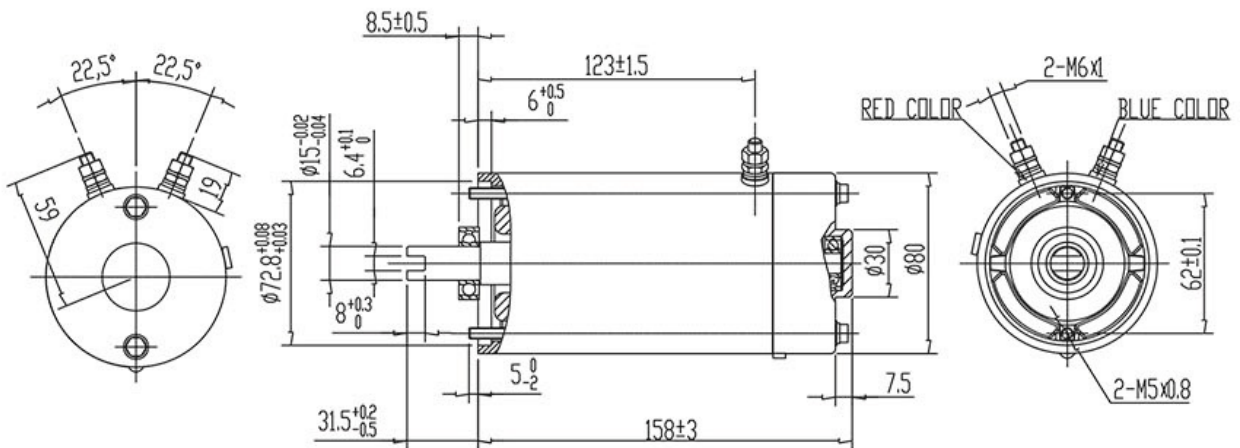
WIRING DIAGRAM



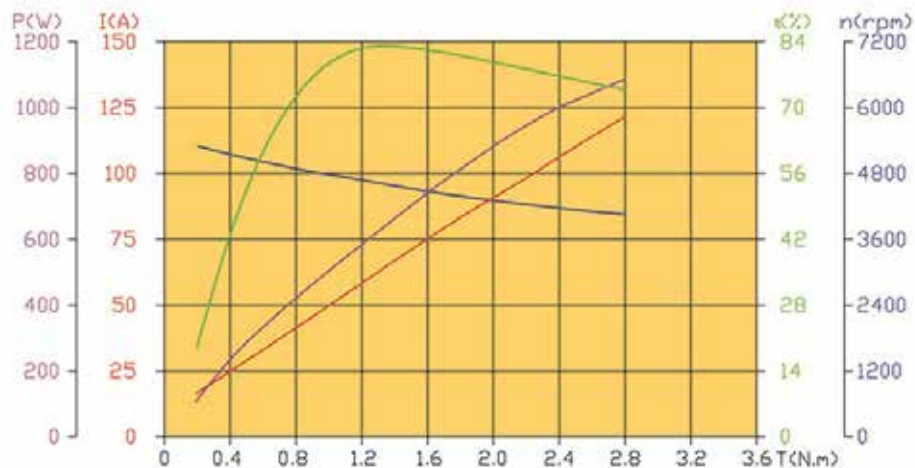
NOTE: CAN BE FITTED WITH X, S FRONT COVER. CAN BE FITTED WITH THERMAL SENSOR

| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD023-0004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 800 | 110 | 2.5 | 1.8min-7%ED | F | IP54 | 2 | CW | 3.6 |

MOTOR OUTLINE DRAWING

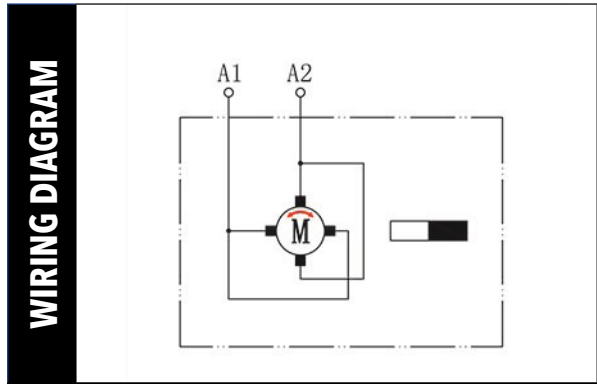


PERFORMANCE CURVE



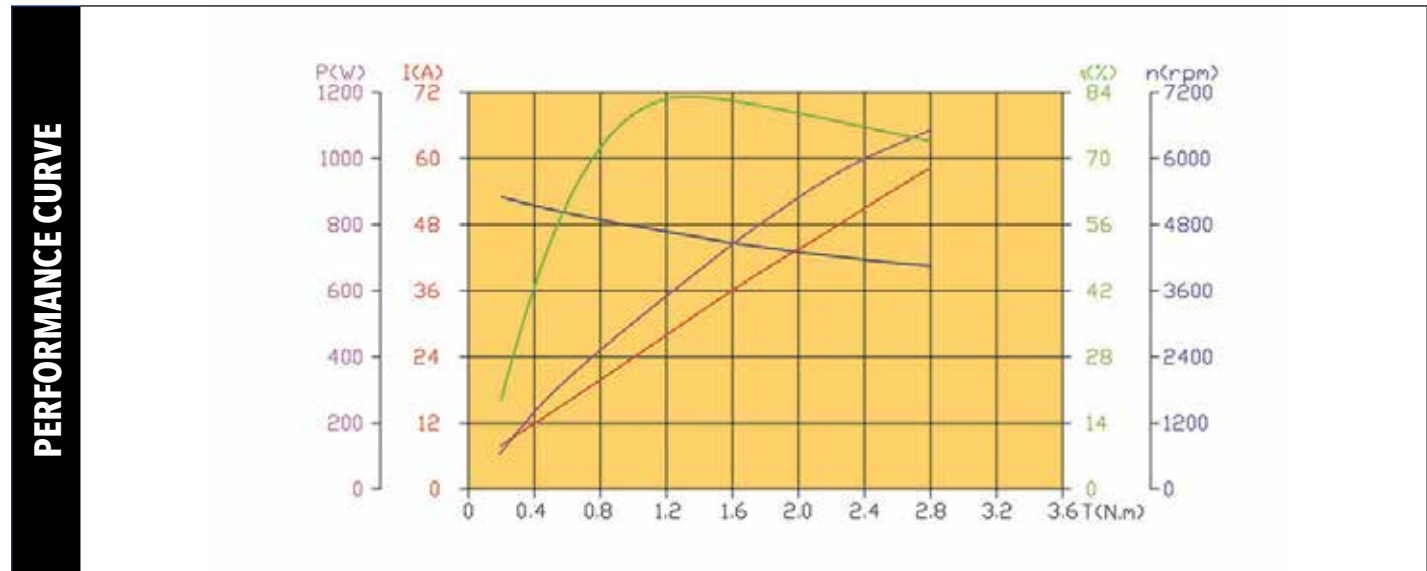
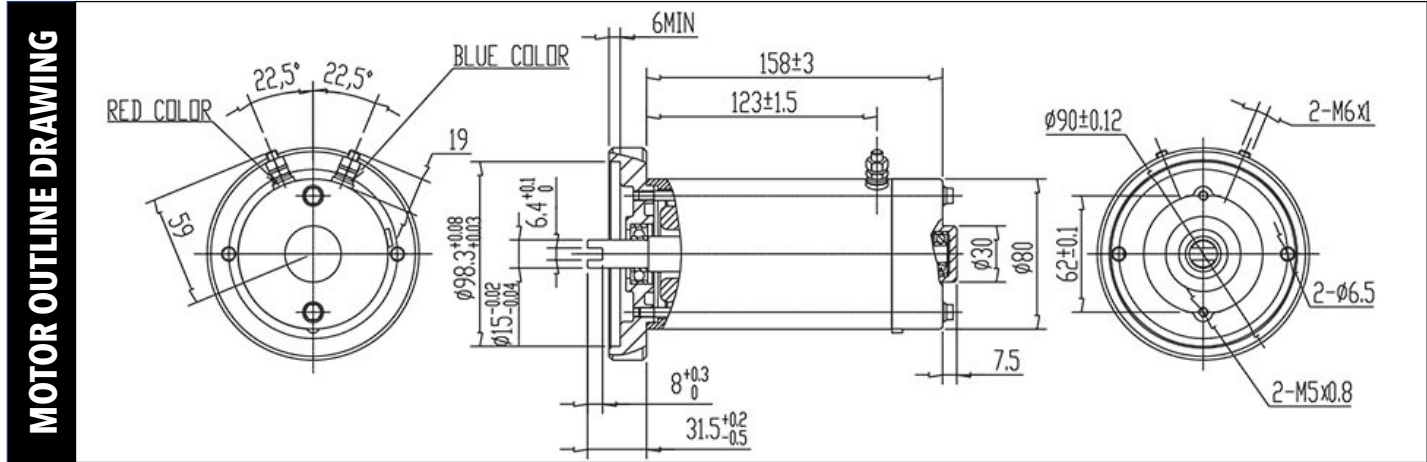


1 Z D 0 2 4 - S 0 0 4 - X X
 A B C



NOTE: CAN BE FITTED WITH X FRONT COVER. CAN BE FITTED WITH THERMAL SENSOR

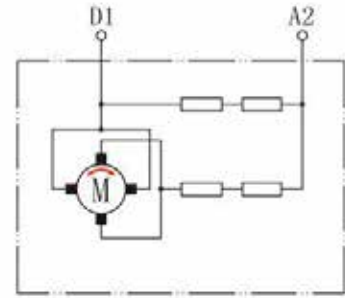
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD024-S004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 800 | 55 | 2.5 | 1.8min-7%ED | F | IP54 | 2 | CW | 3.6 |





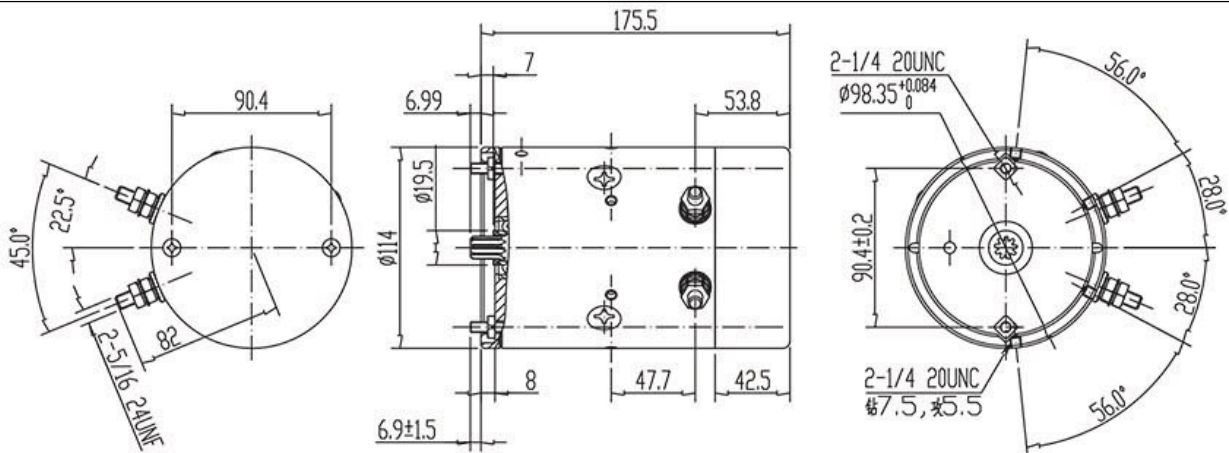
1 Z D 0 2 8 - E 0 0 4 - X X
A B C

WIRING DIAGRAM

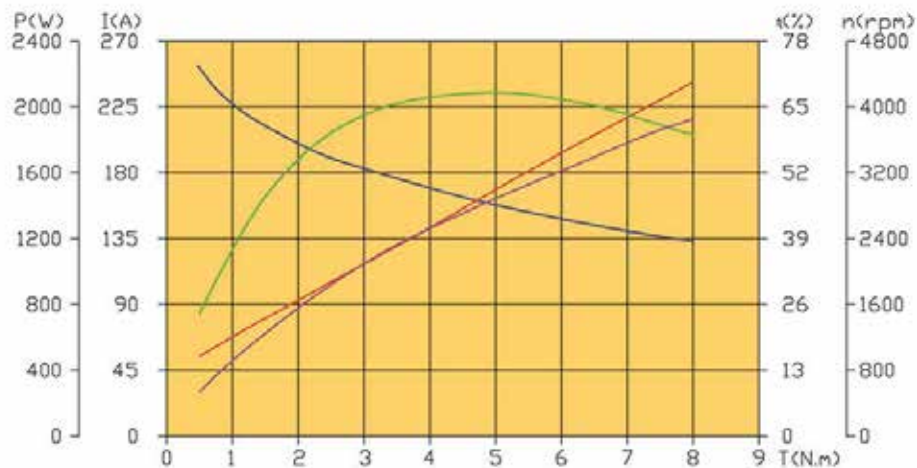


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| | ZD028-E004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 1600 | 200 | 6 | 2min-8%ED | F | IP54 | 9 | CW | 7.1 |

MOTOR OUTLINE DRAWING

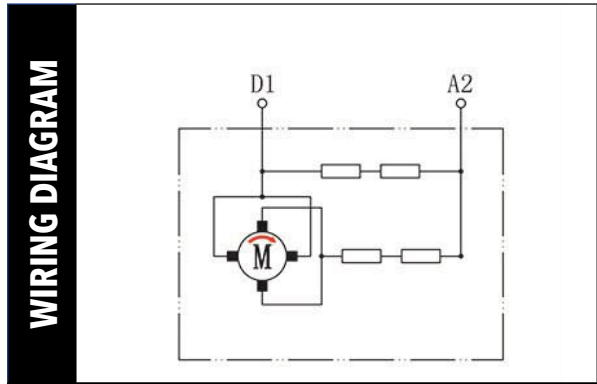


PERFORMANCE CURVE

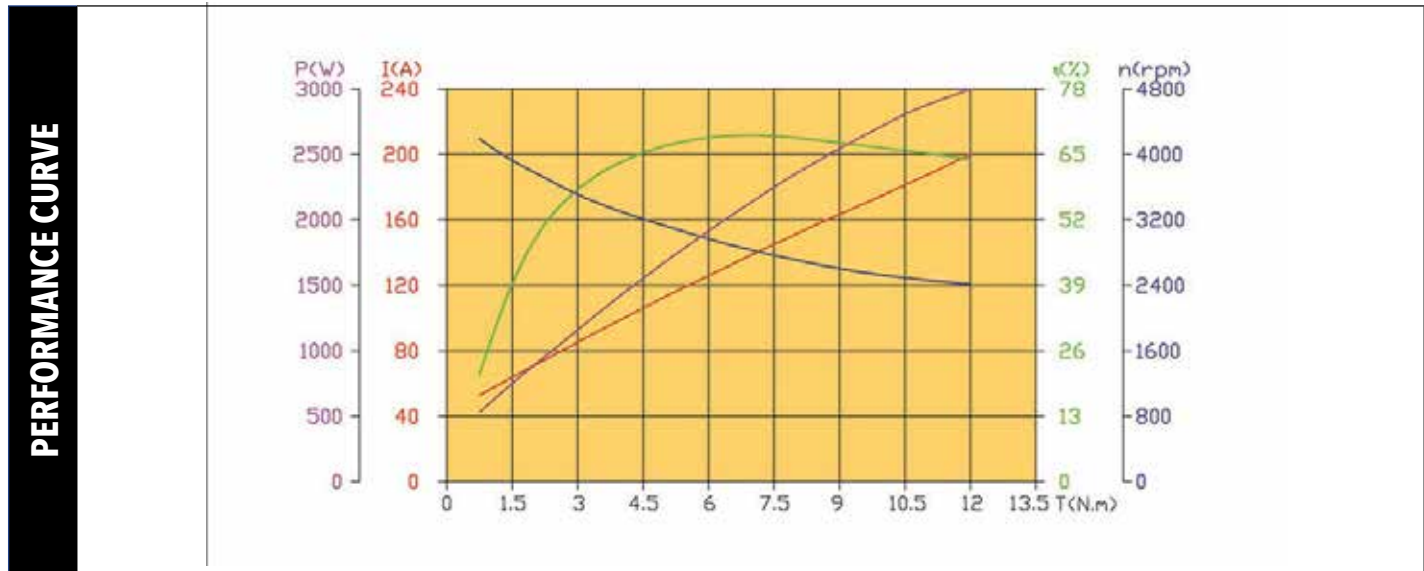
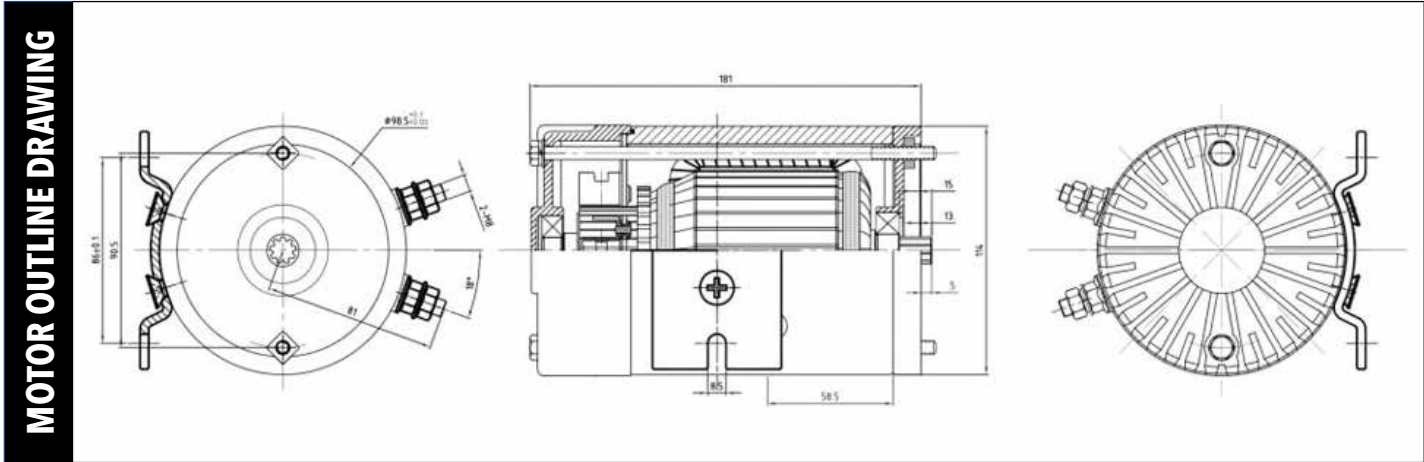




1 Z D 0 2 9 - E W 0 4 - X X
 A B C



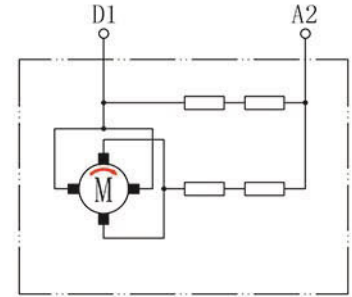
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD029-EW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 2500 | 140 | 8 | 2min-8%ED | F | IP54 | 9 | CW | 7.2 |



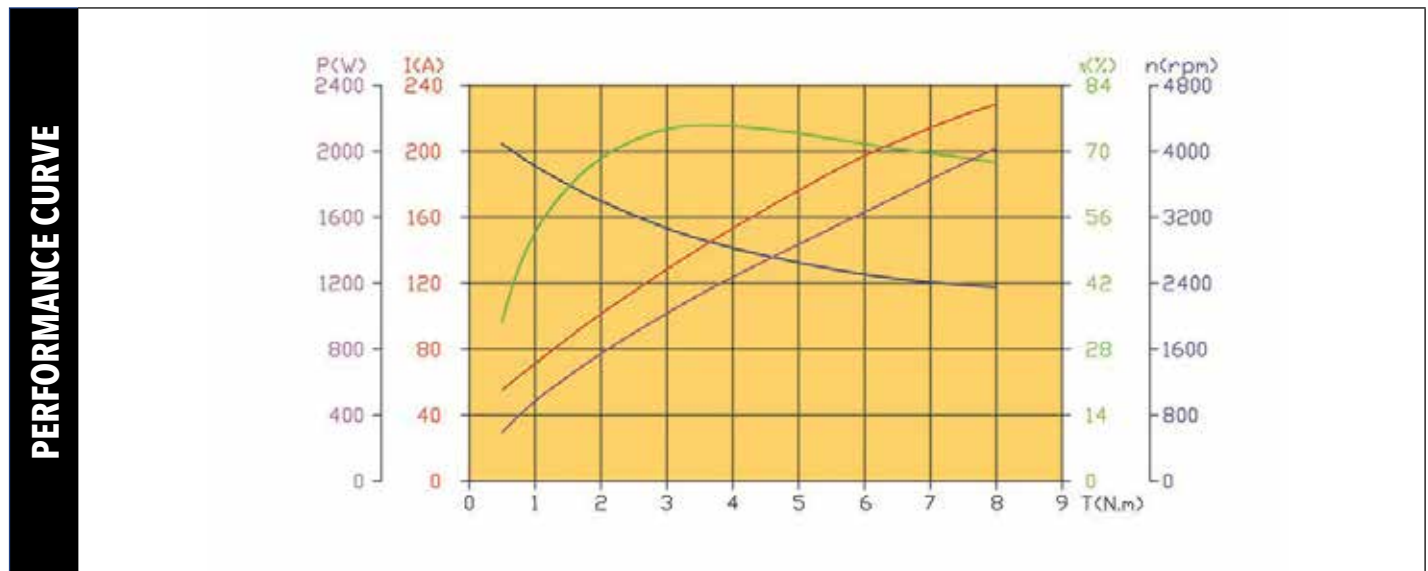
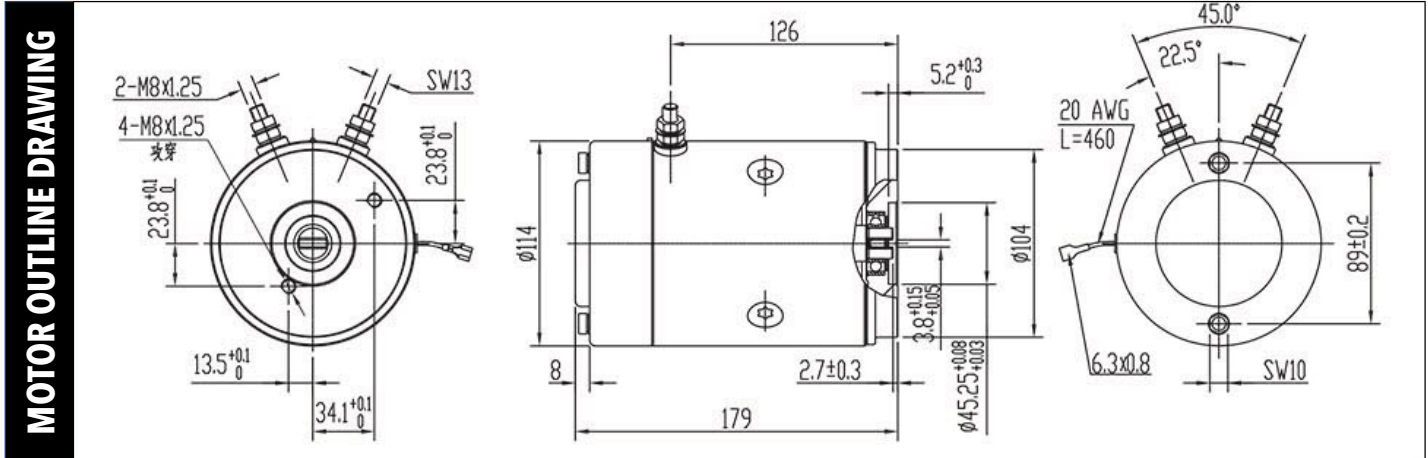


1 Z D 0 6 4 - V W 0 4 - X X
A B C

WIRING DIAGRAM

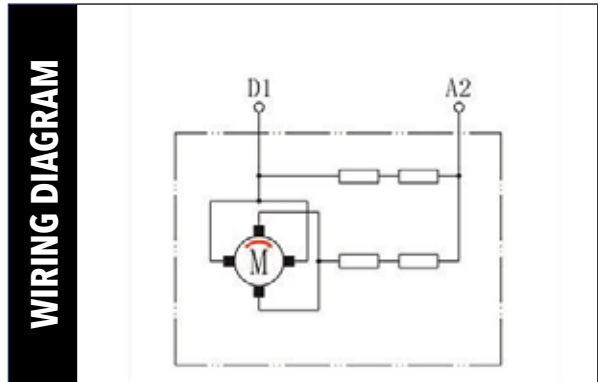


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD064-VW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 1800 | 225 | 6 | 2min-8%ED | F | IP54 | 2 | CW | 7.2 |

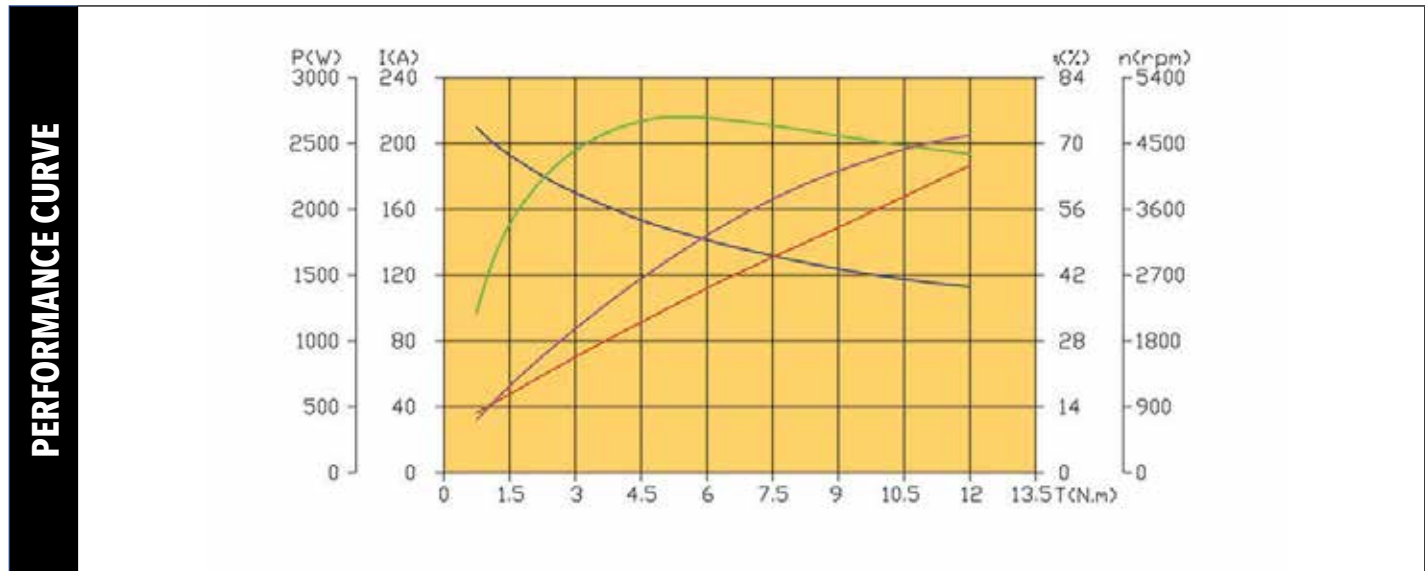
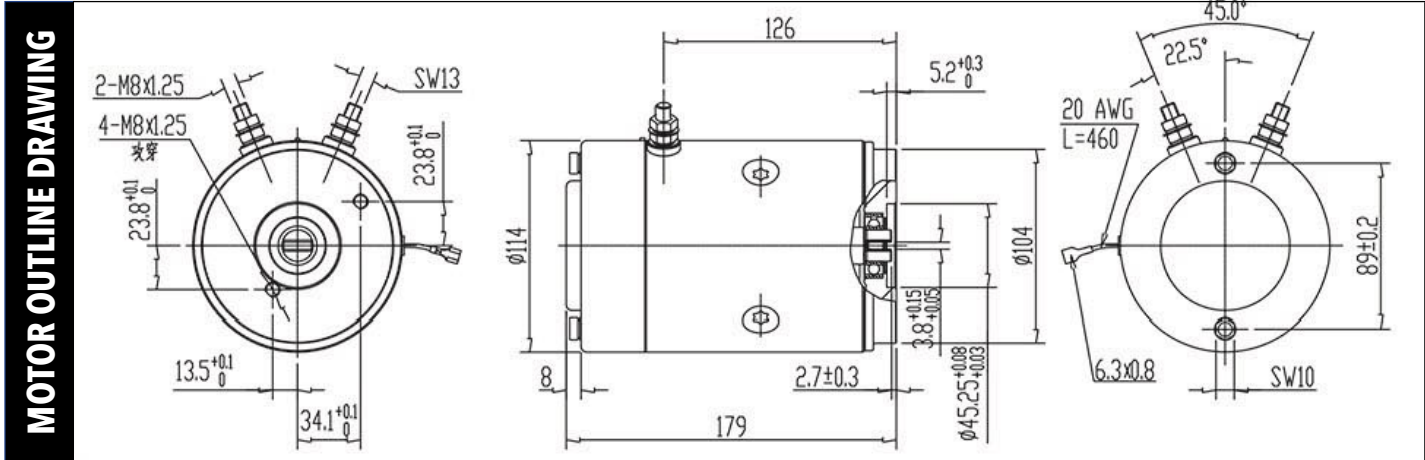




1 Z D 0 2 5 - V W 0 4 - X X
 A B C



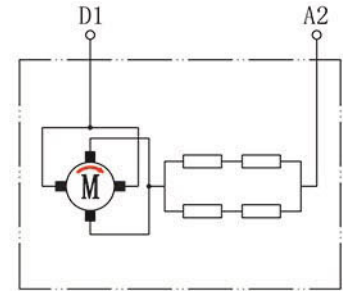
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD025-VW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 2200 | 125 | 7 | 3min-10%ED | F | IP54 | 2 | CW | 7.2 |





1 Z D 0 3 3 - 0 W T 4 - X X
A B C

WIRING DIAGRAM



TECHNICAL DATA

MOTOR MODEL

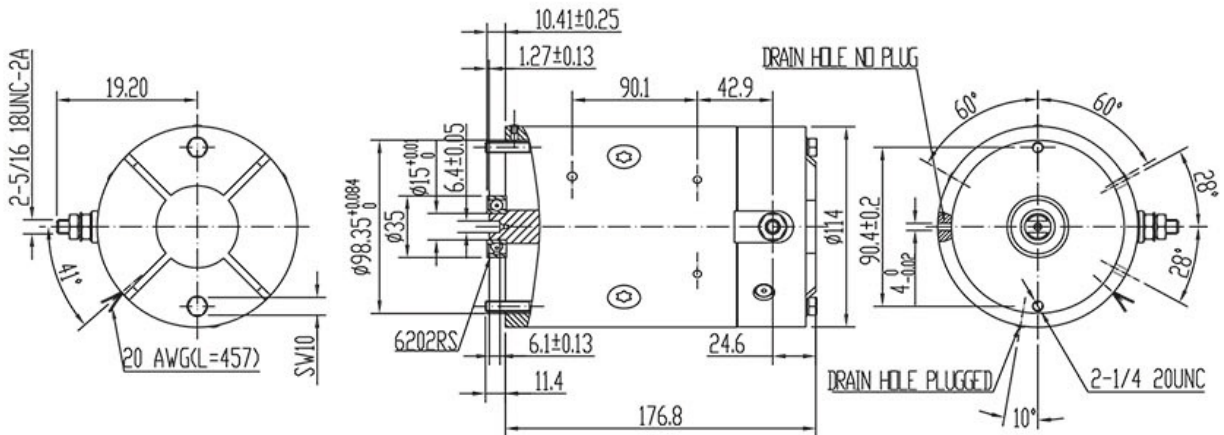
ZD033-0WT4-XX

SCOPE OF APPLICATION

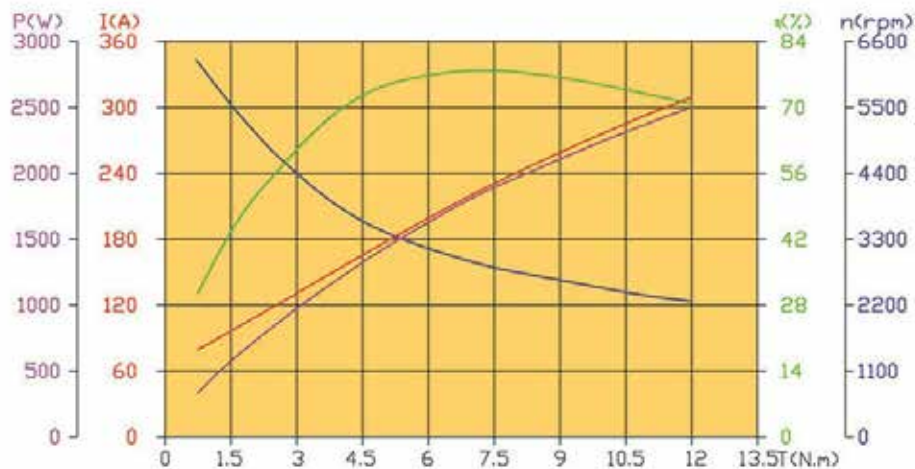
VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT

| RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
|-------------------|-----------------|--------------------------|--------------------|---------------------|------------------|------------------|-------------|----------|-------------|
| 12 | 2200 | 260 | 9 | 8min-10%ED | F | IP54 | 2 | CCW | 8.2 |

MOTOR OUTLINE DRAWING

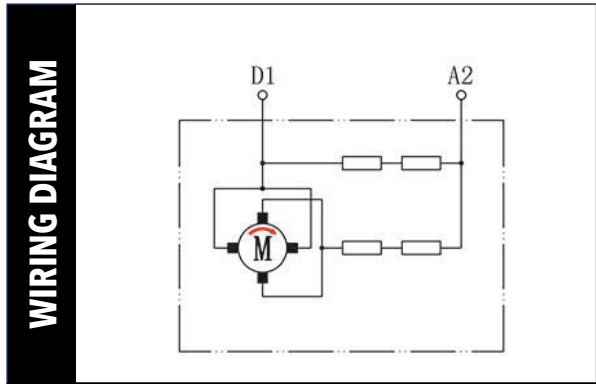


PERFORMANCE CURVE

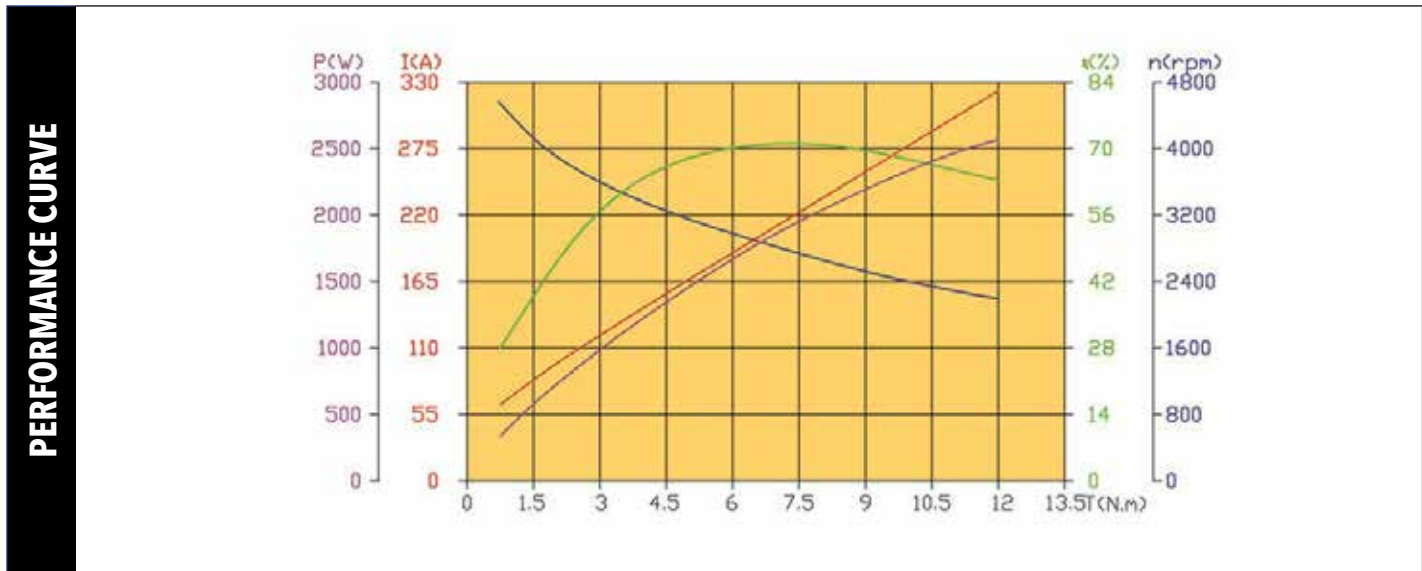
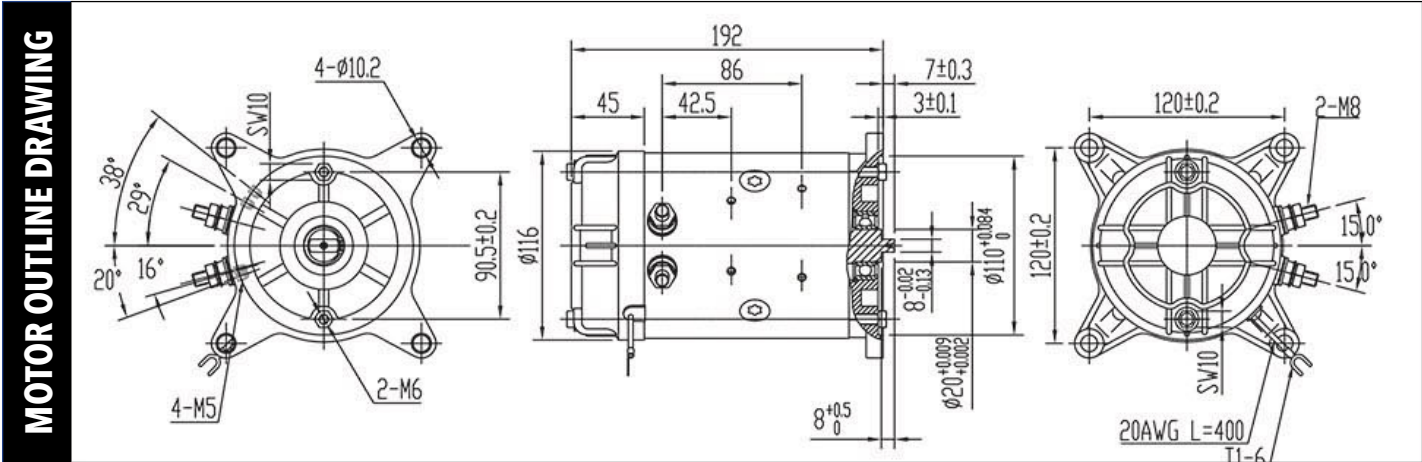




1 Z D 0 3 4 - L W 0 4 - X X
 A B C



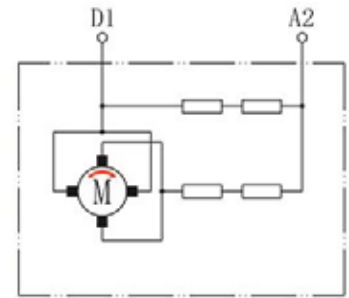
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD034-LW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 2000 | 235 | 8 | 2min-8%ED | F | IP54 | 2 | CW | 6.9 |





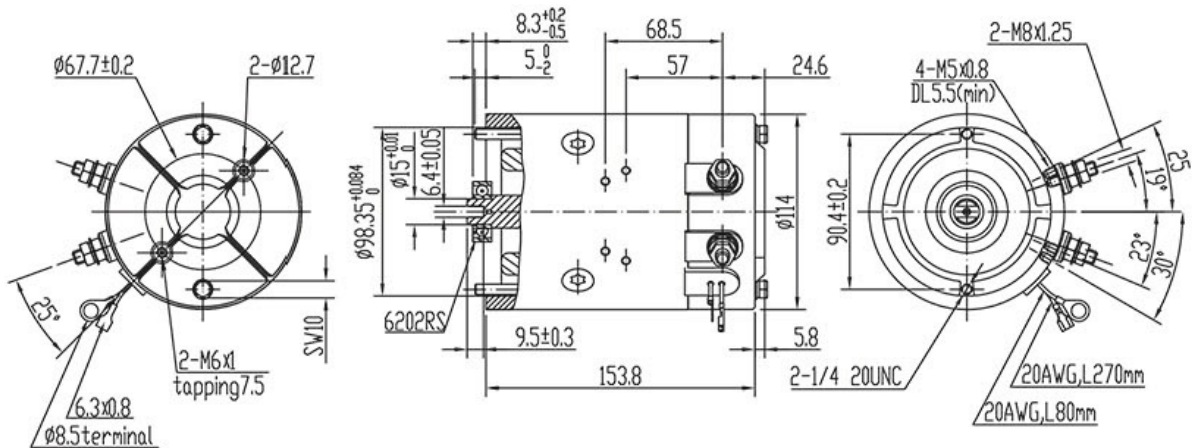
1 Z D 0 4 8 - 0 W 0 4 - X X
A B C

WIRING DIAGRAM

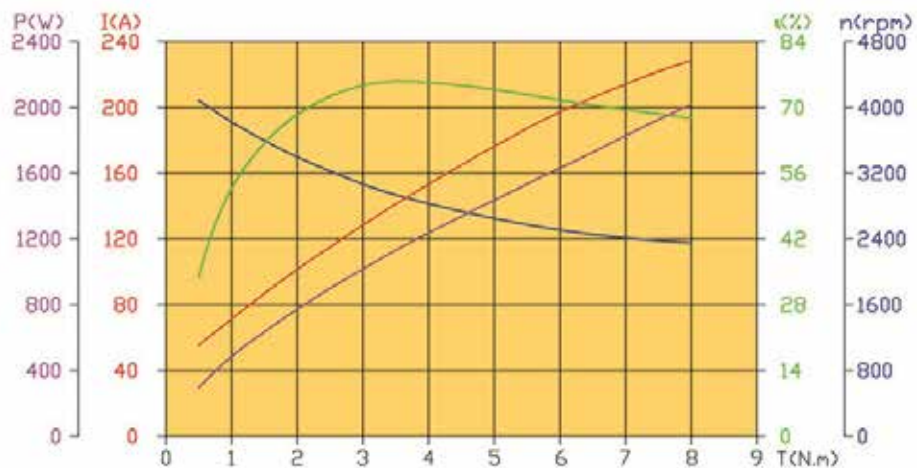


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| | ZD048-0W04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 1600 | 200 | 6 | 2min-7%ED | F | IP54 | 2 | CW | 7 |

MOTOR OUTLINE DRAWING

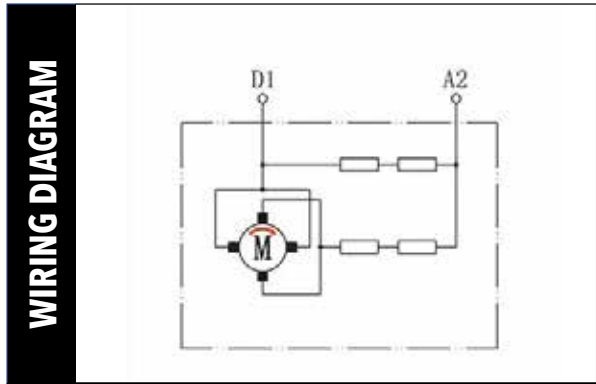


PERFORMANCE CURVE

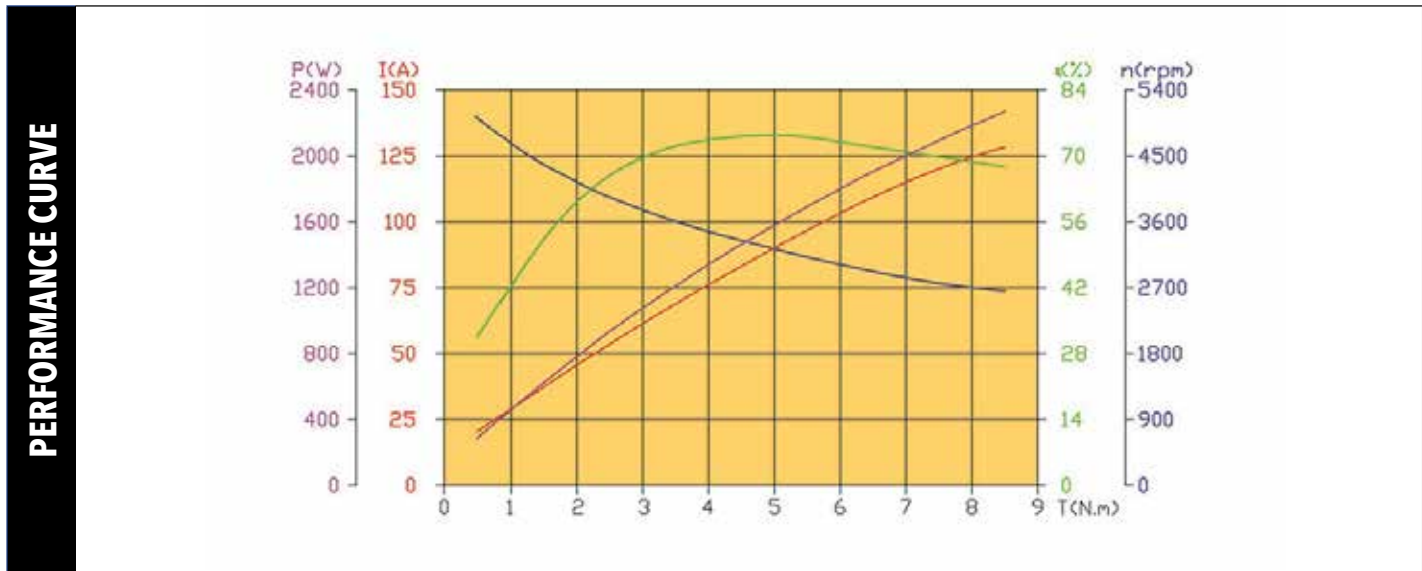
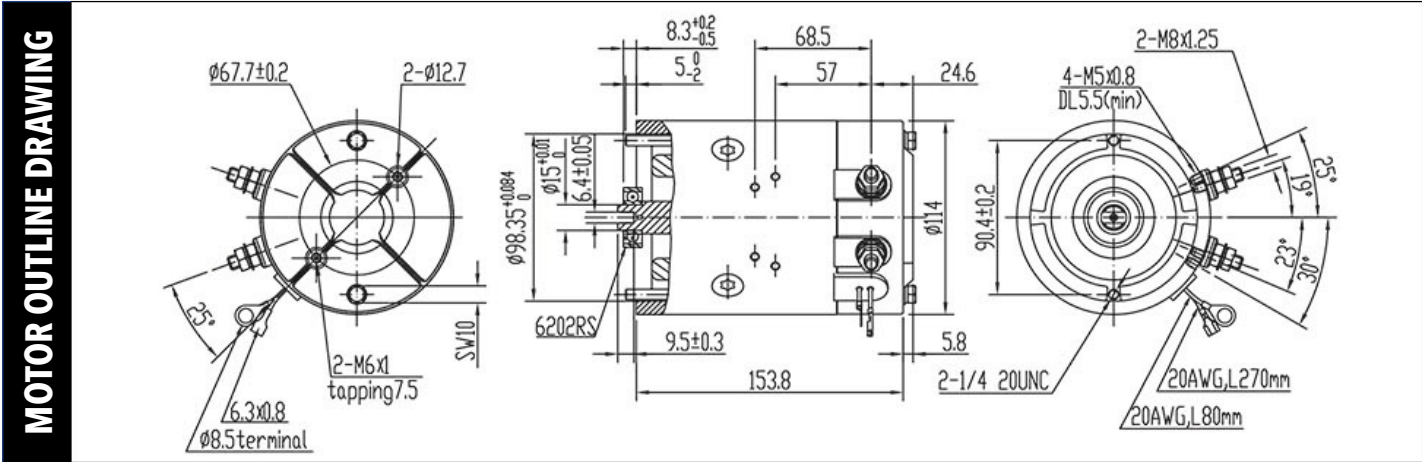




1 Z D 0 3 5 - 0 W 0 4 - X X
 A B C

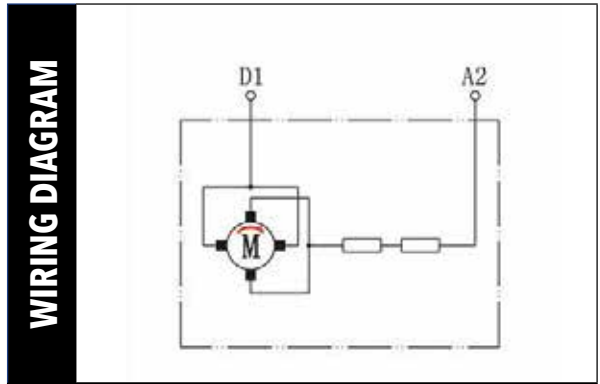


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD035-0W04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 2200 | 125 | 8 | 2min-7%ED | F | IP54 | 2 | CW | 7 |

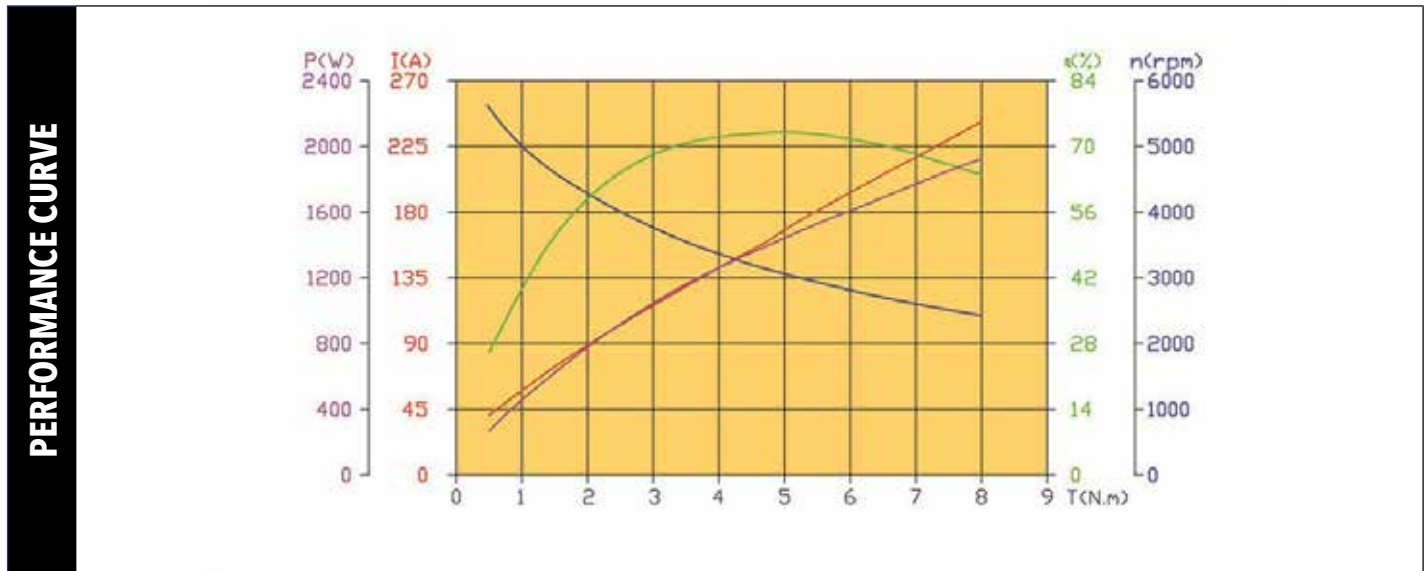
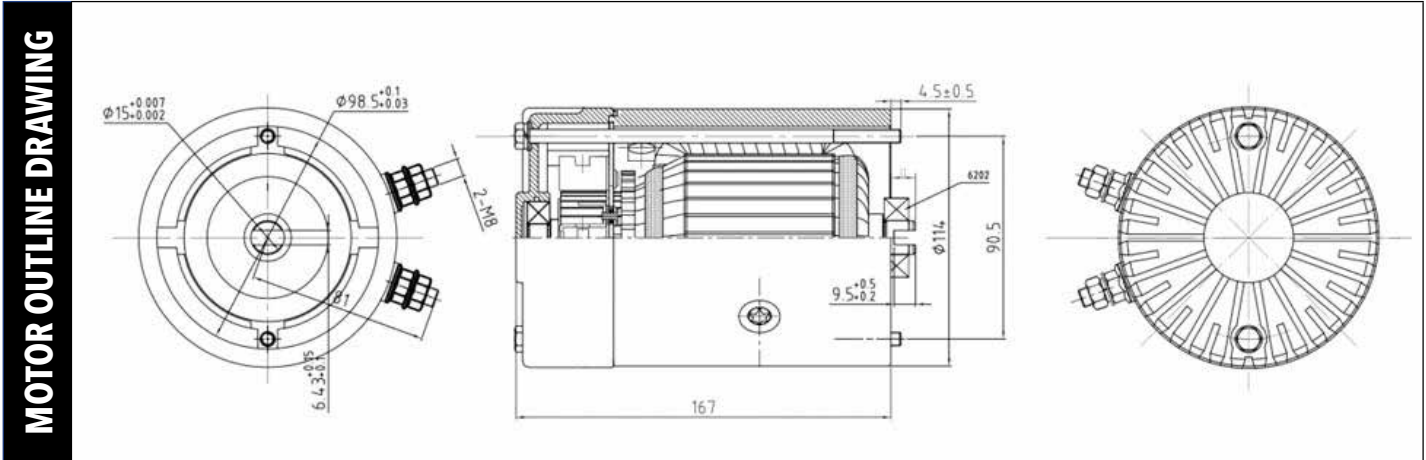




1 Z D 0 3 6 - 0 W T 4 - X X
A B C

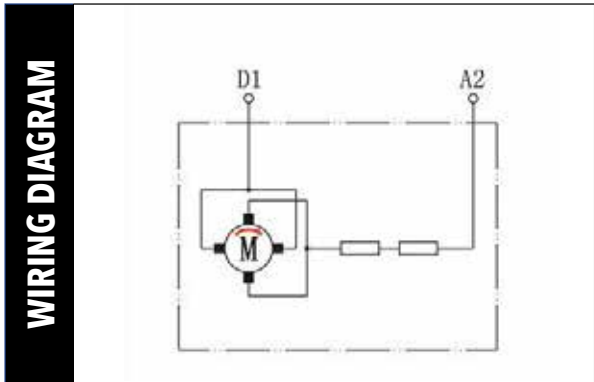


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD036-0WT4-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 1600 | 205 | 6 | 2min-7%ED | F | IP54 | 2 | CCW | 6.9 |





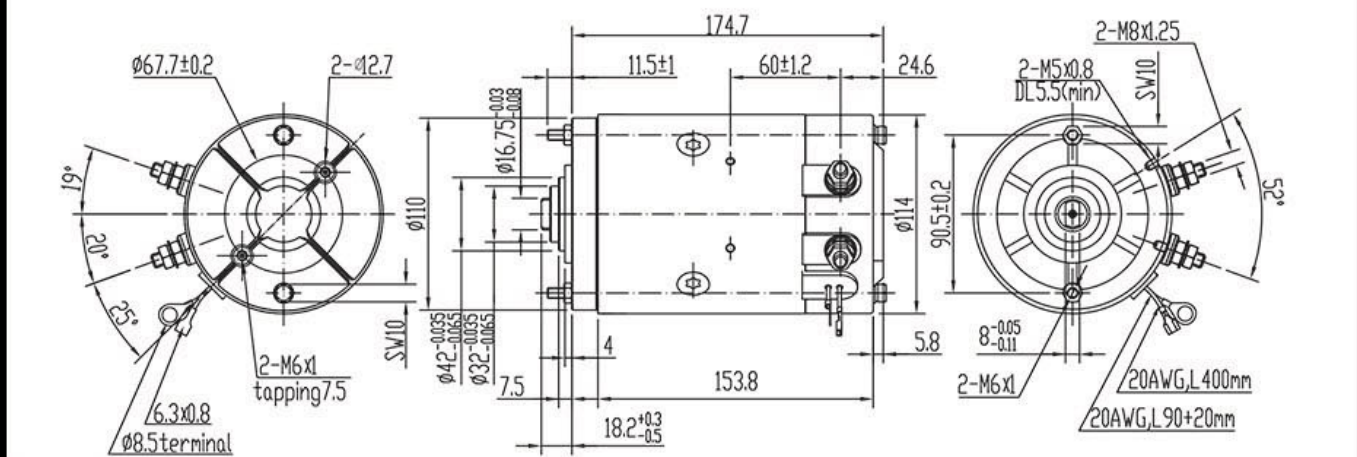
1 Z D 0 3 6 - H W 0 4 - X X
 A B C



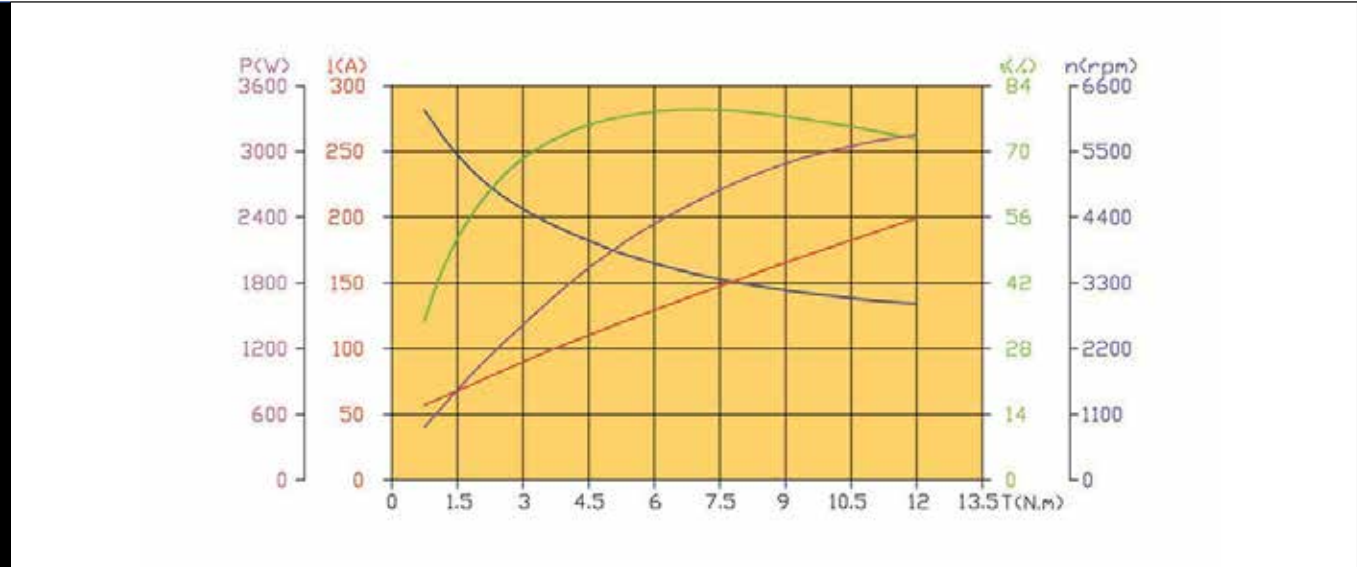
TECHNICAL DATA

| MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| ZD036-HW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| 12 | 1600 | 205 | 6 | 2min-7%ED | F | IP54 | 2 | CCW | 7.1 |

MOTOR OUTLINE DRAWING

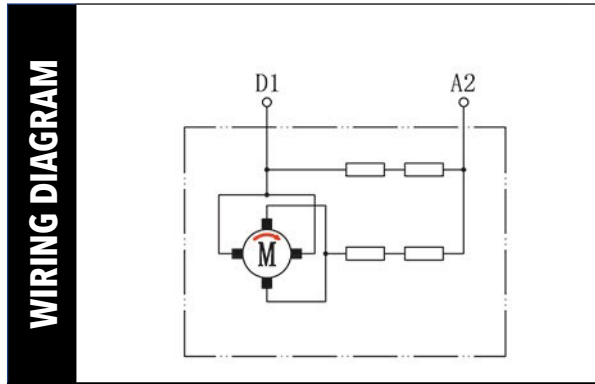


PERFORMANCE CURVE

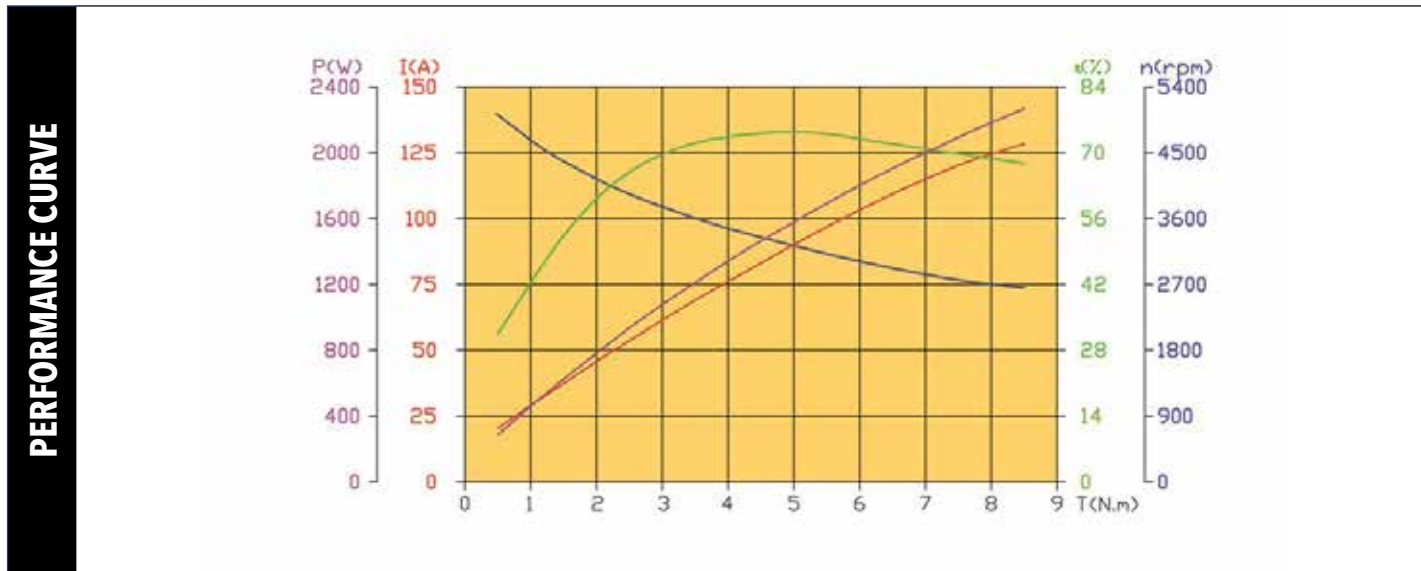
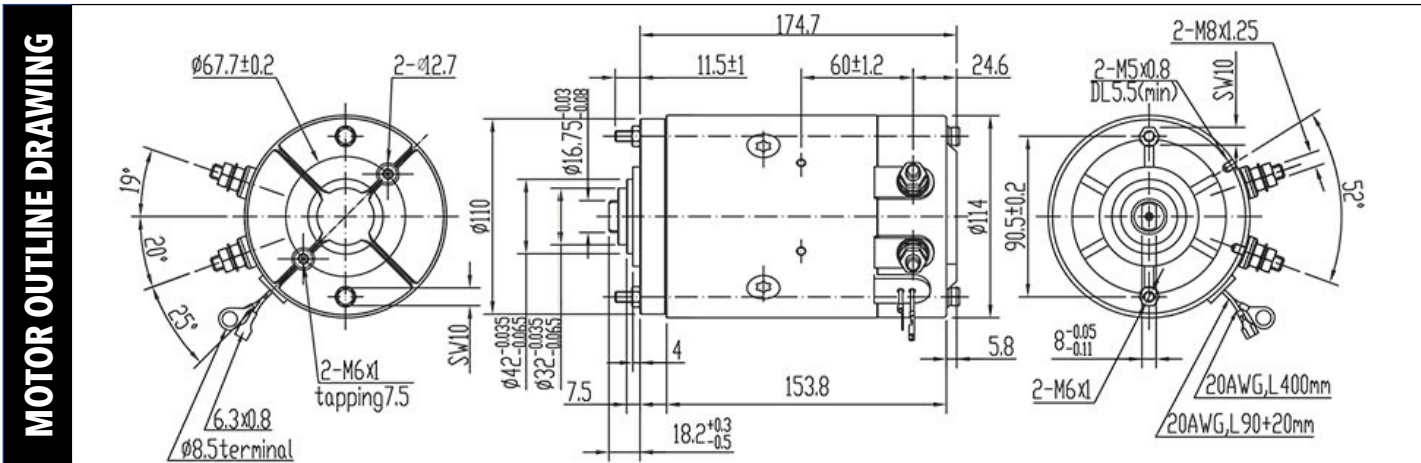




1 Z D 0 3 5 - H W 0 4 - X X
A B C

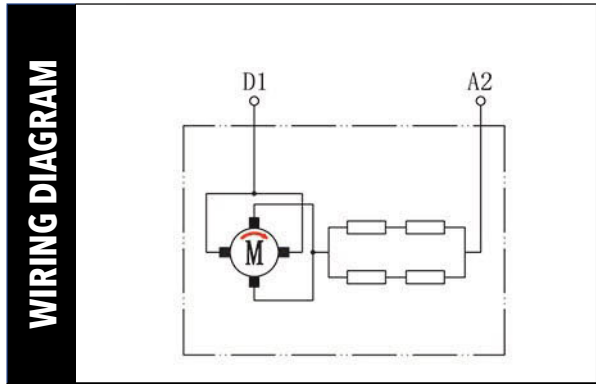


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD035-HW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 2200 | 125 | 8 | 2min-7%ED | F | IP54 | 2 | CCW | 6.9 |

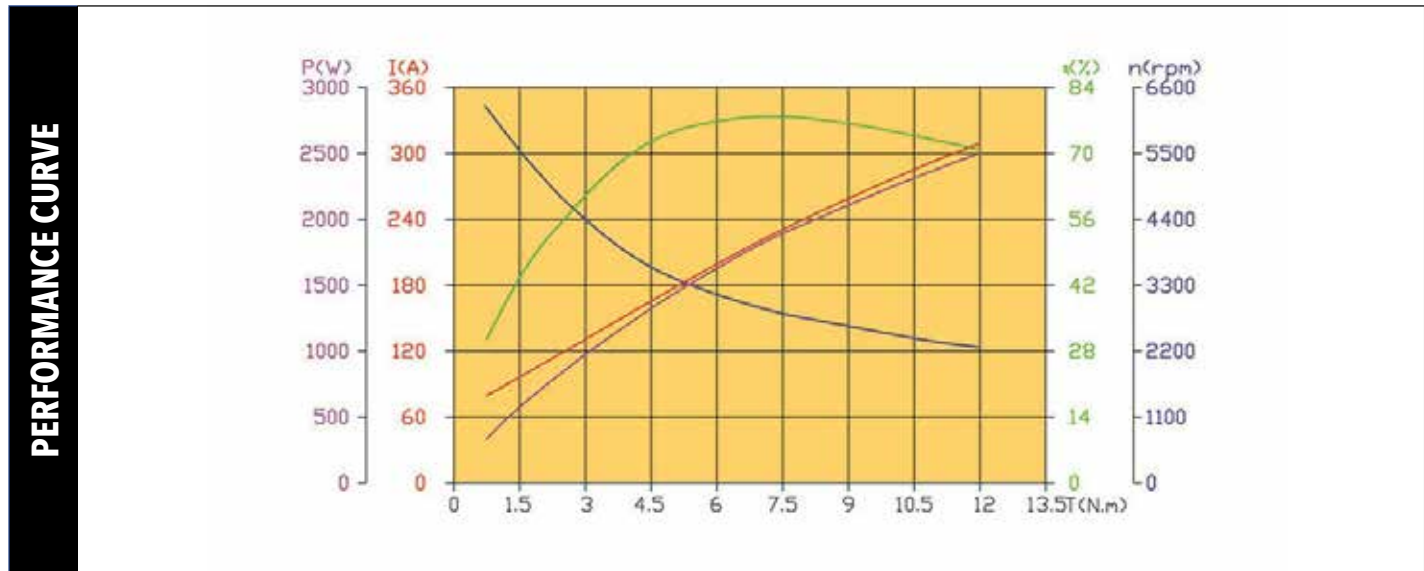
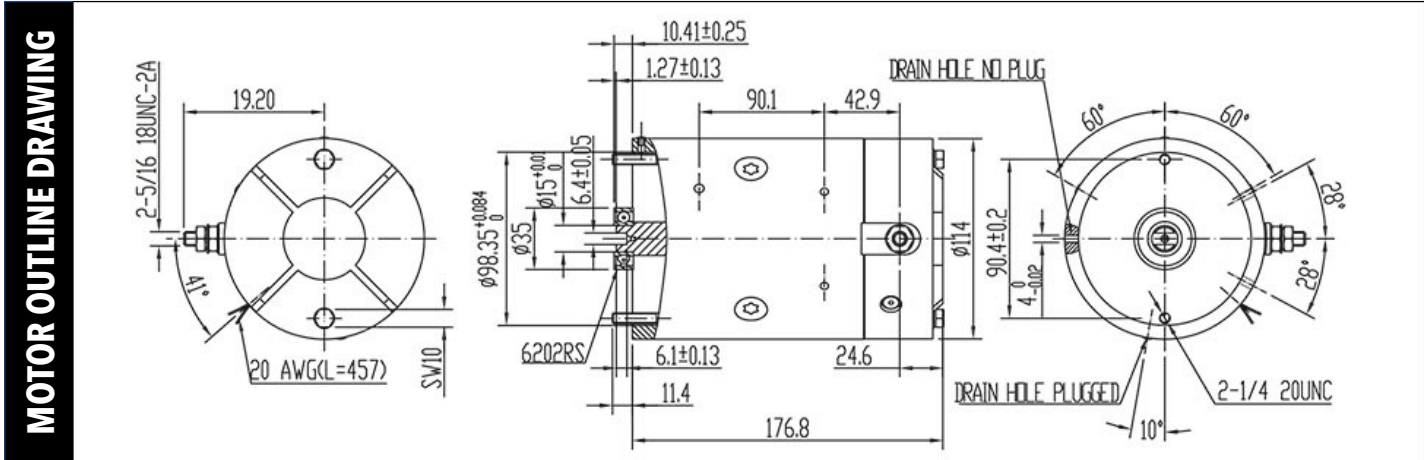




1 Z D 0 3 3 - 0 W T 4 - X X
 A B C

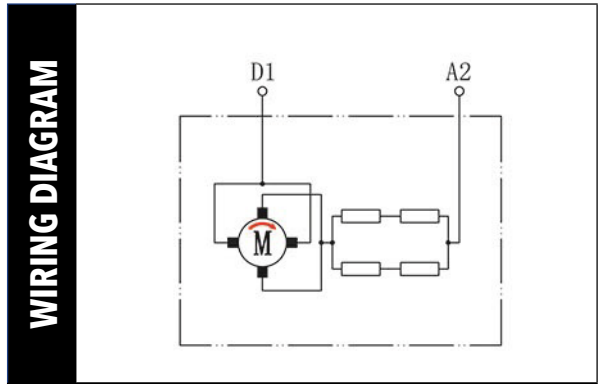


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD033-0WT4-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 1600 | 205 | 6 | 2min-7%ED | F | IP54 | 2 | CW | 7.1 |

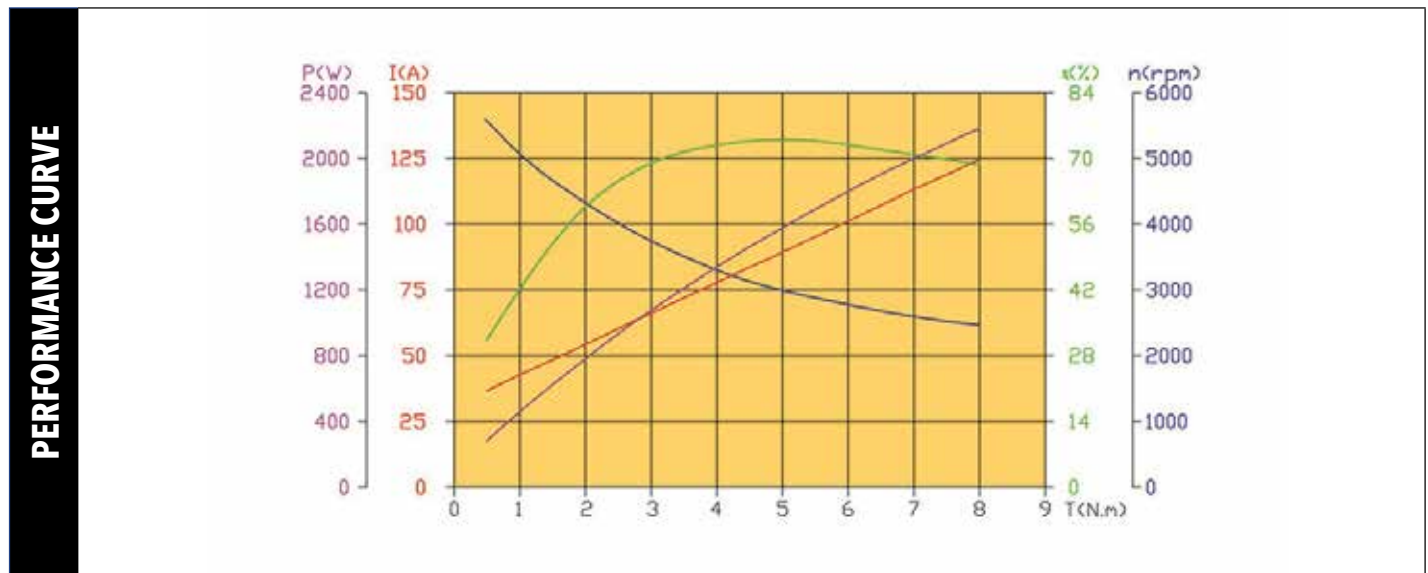
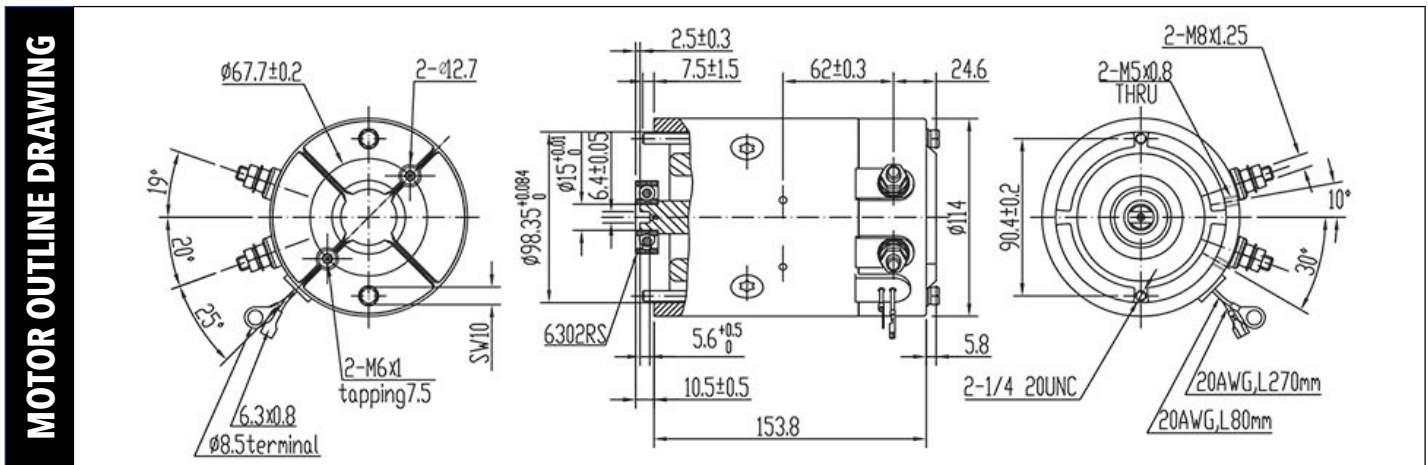




1 Z D 0 9 1 - 0 W T 4 - X X
A B C

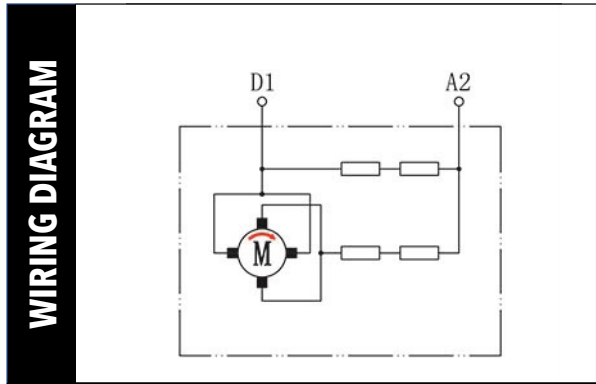


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD091-0WT4-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 2200 | 125 | 8 | 3.5min-13%ED | F | IP54 | 2 | CCW | 7 |

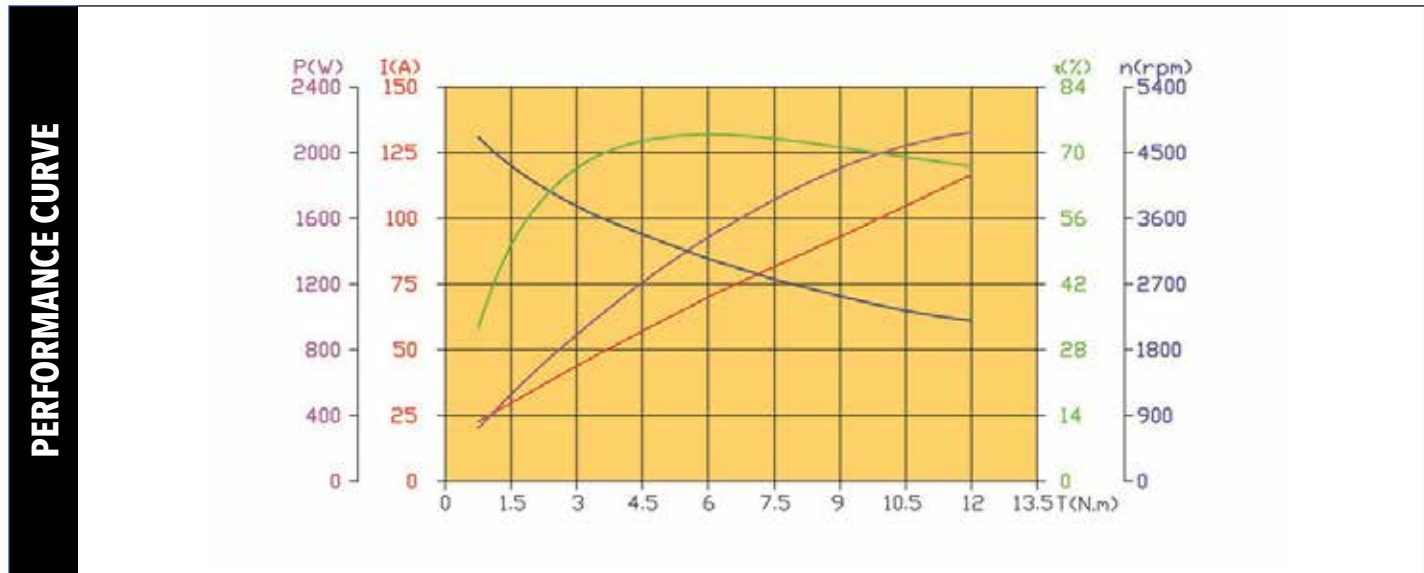
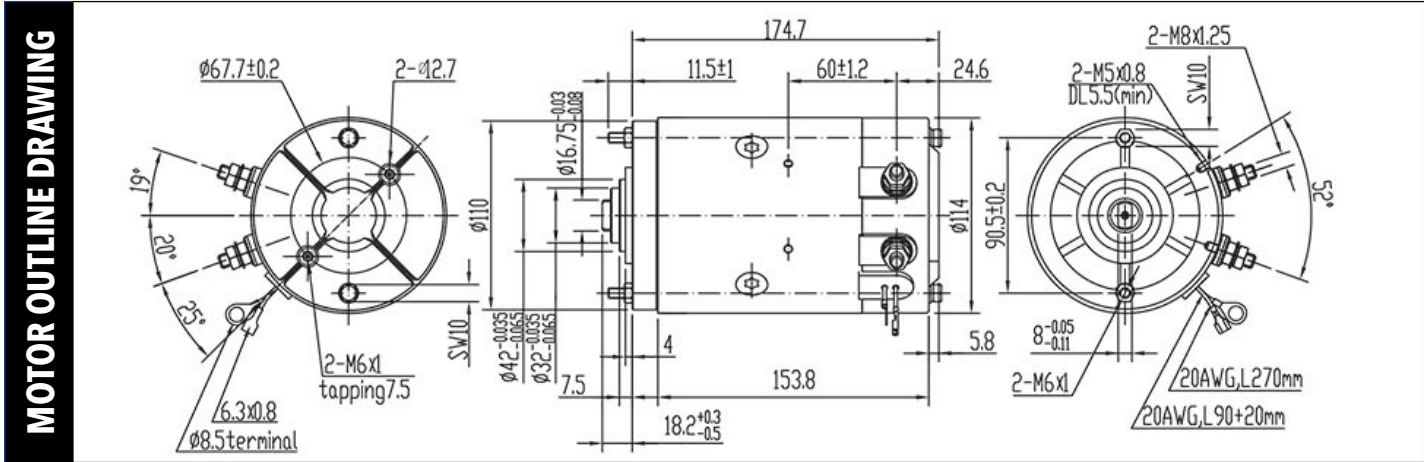




1 Z D 0 9 2 - H W 0 4 - X X
 A B C



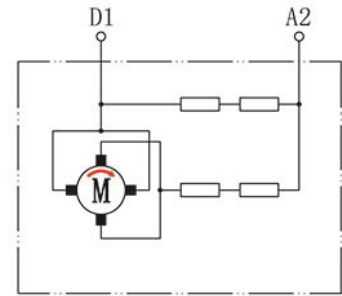
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | |
|-------------------|-----------------|--------------------------|--------------------|---|------------------|------------------|-------------|----------|-------------|
| | ZD092-HW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| 24 | 2500 | 165 | 10 | 2min-8%ED | F | IP54 | 1 | CW | 7.2 |





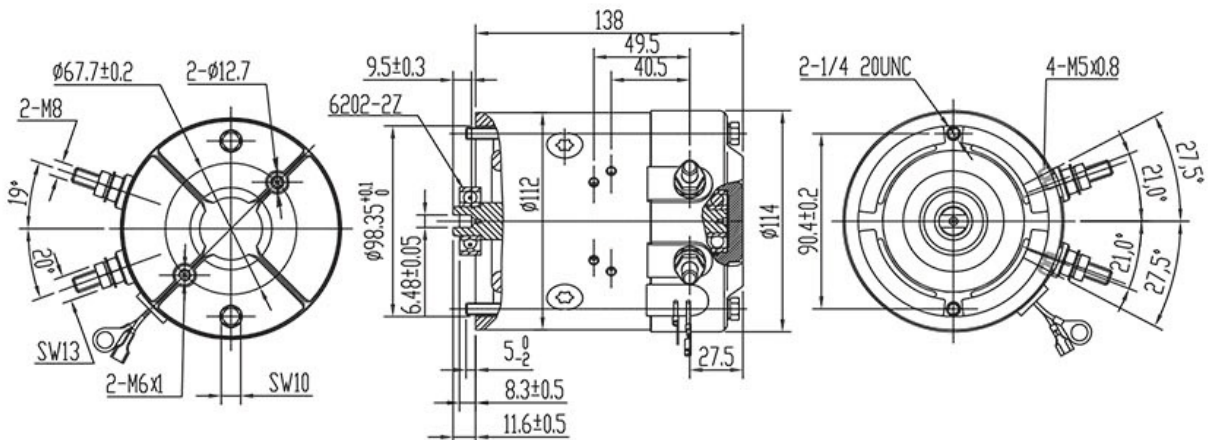
1 Z D 0 5 5 - 0 W 0 4 - X X
A B C

WIRING DIAGRAM

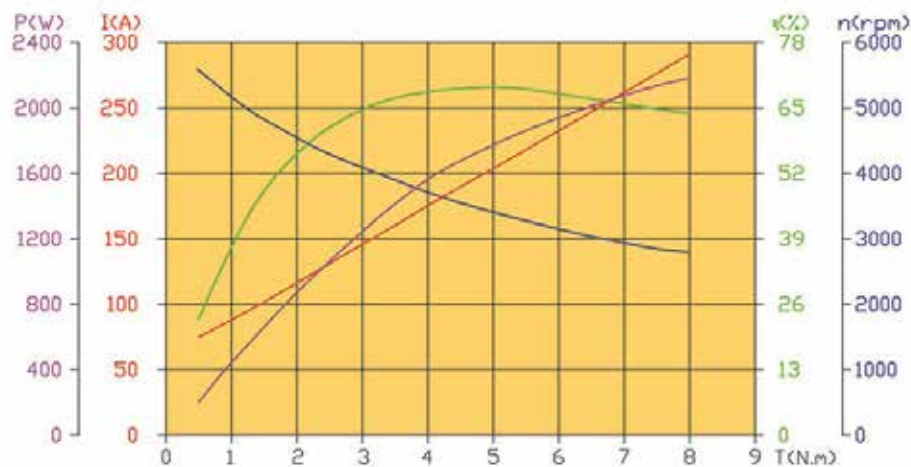


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| | ZD055-0W04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 1300 | 210 | 10 | 2min-8%ED | F | IP54 | 1 | CW | 7.2 |

MOTOR OUTLINE DRAWING

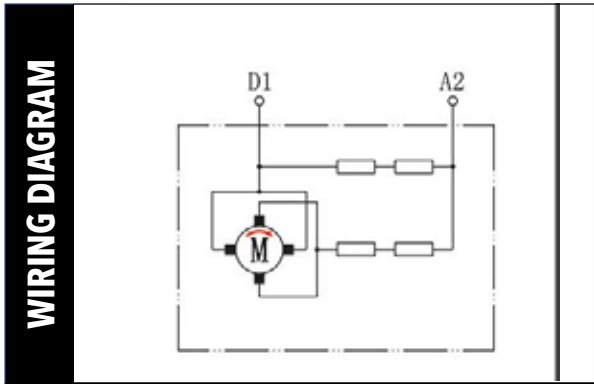


PERFORMANCE CURVE

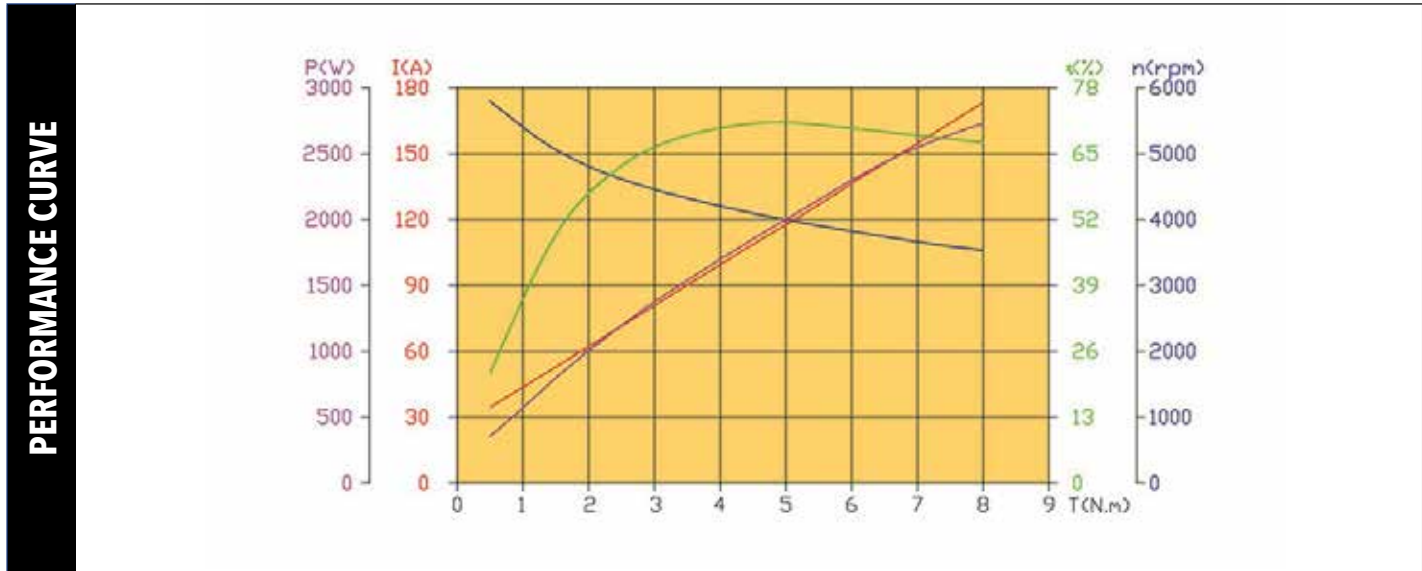
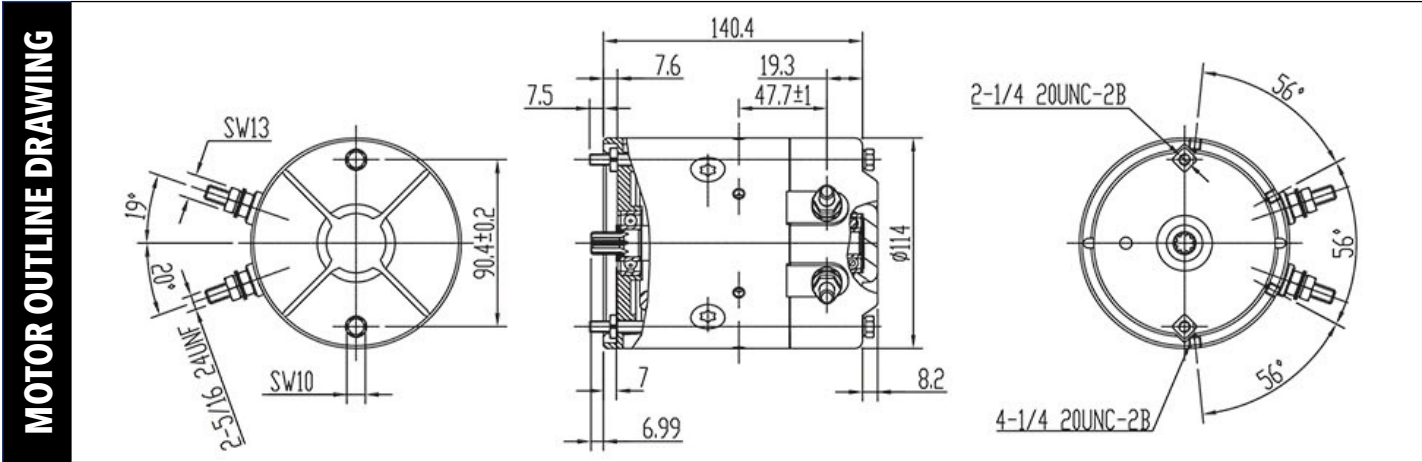




1 Z D 0 5 4 - E 0 0 4 - X X
 A B C

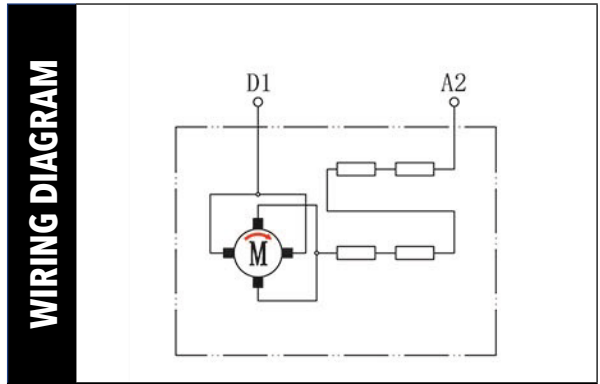


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD054-E004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 1200 | 90 | 3 | 1.2min-4.5%ED | F | IP54 | 9 | CW | 5.1 |

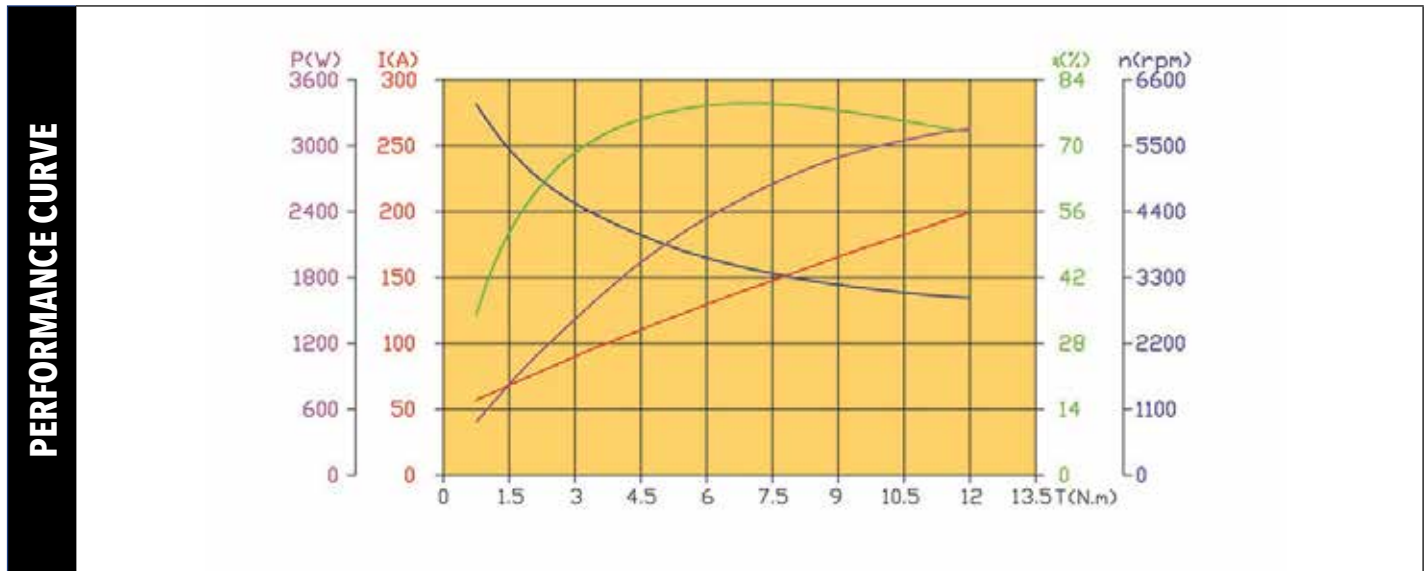
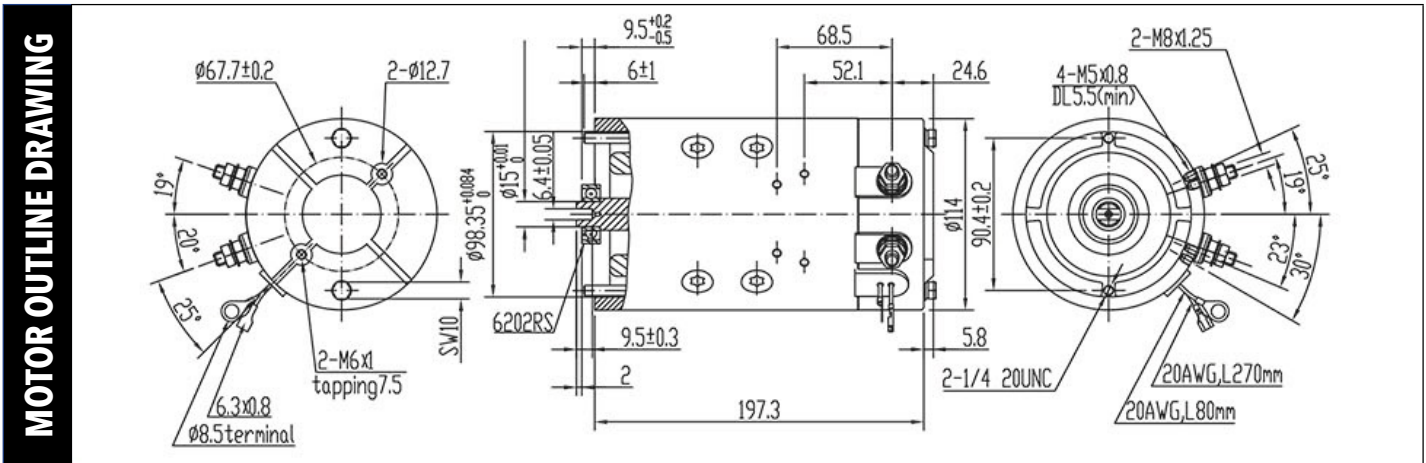




1 Z D 0 8 5 - 0 W 0 4 - X X
A B C

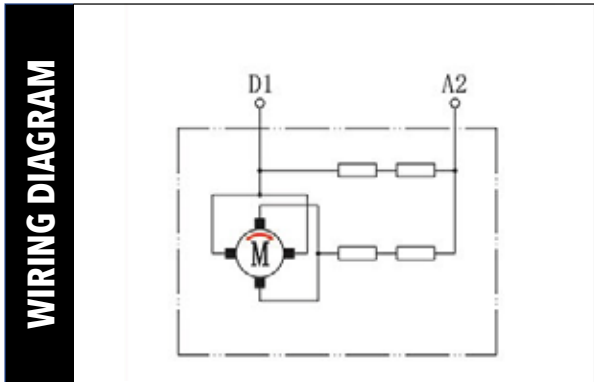


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| | ZD085-0W04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 2800 | 165 | 9 | 5min-13%ED | F | IP54 | 2 | CW | 9.2 |





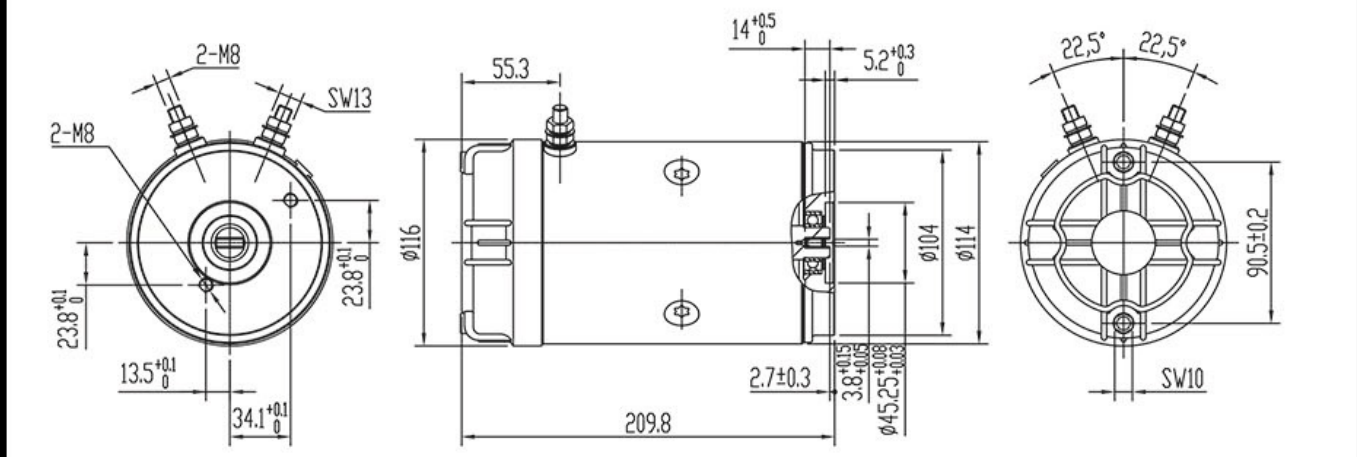
1 Z D 0 9 6 - V 0 0 4 - X X
 A B C



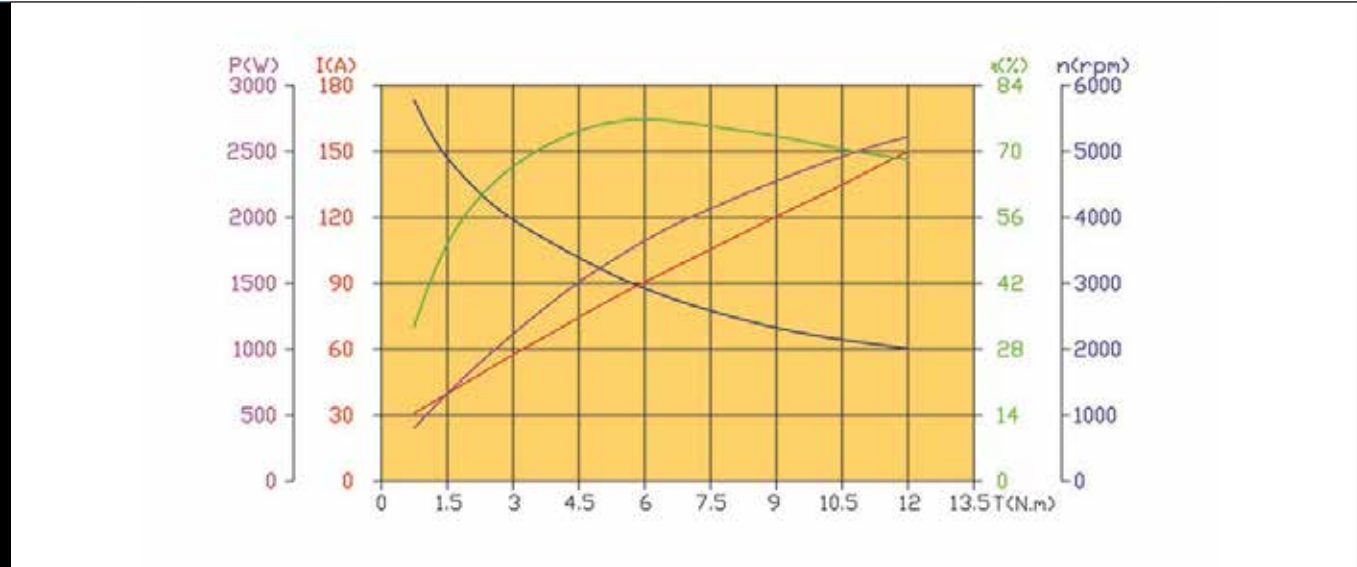
TECHNICAL DATA

| MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| ZD096-V004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| 24 | 2500 | 160 | 12 | 2min-8%ED | F | IP54 | 2 | CW | 9 |

MOTOR OUTLINE DRAWING



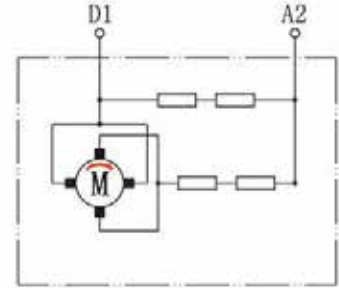
PERFORMANCE CURVE



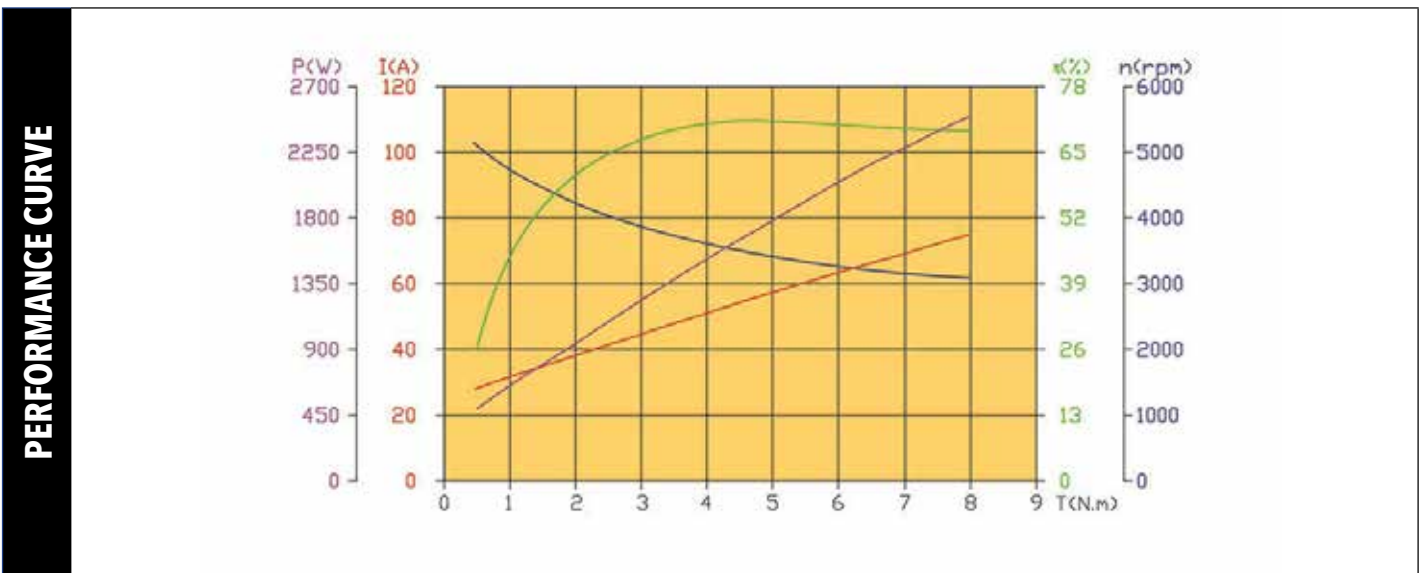
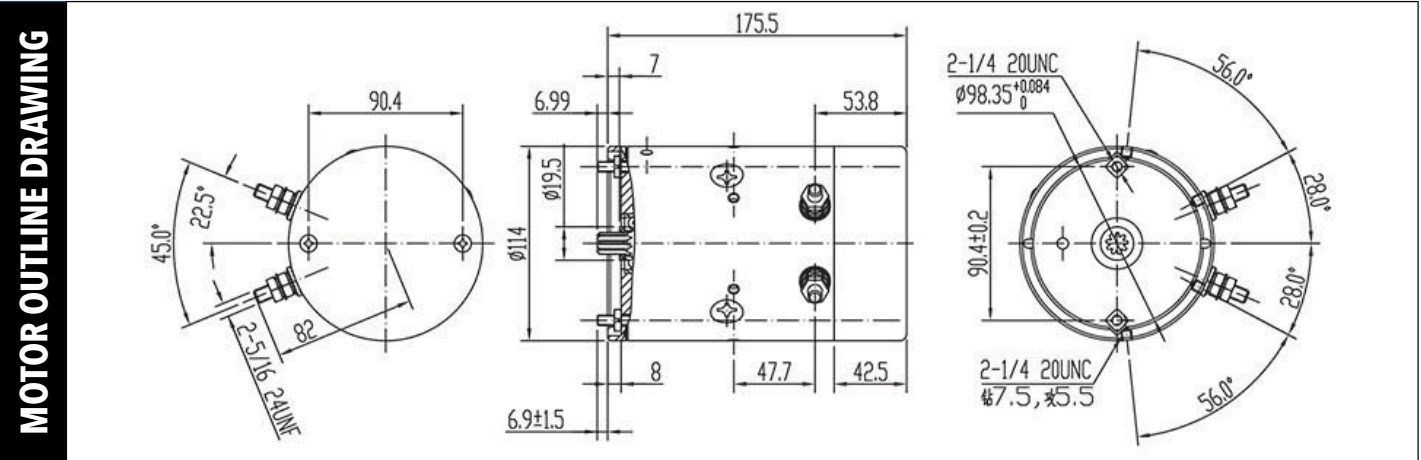


1 Z D 0 1 0 - E 0 0 4 - X X
A B C

WIRING DIAGRAM

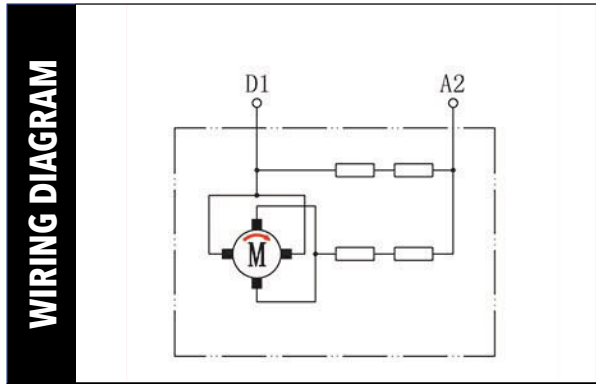


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| | ZD010-E004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 48 | 2000 | 75 | 8 | 2min-7%ED | F | IP54 | 9 | CW | 7 |

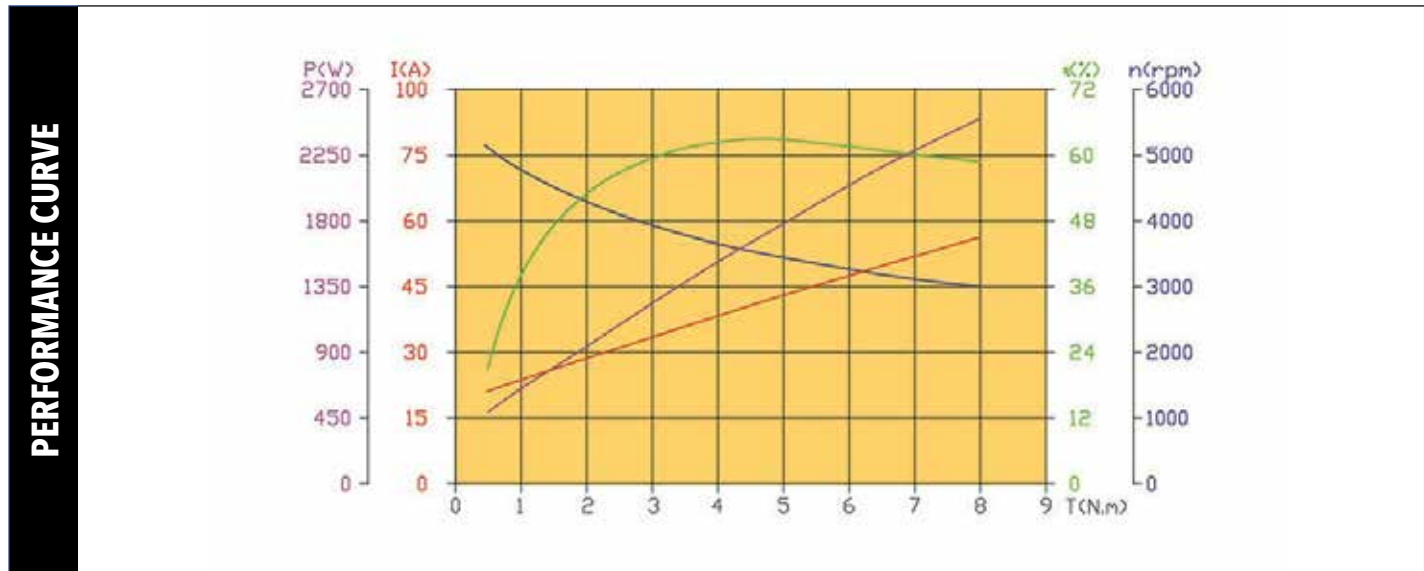
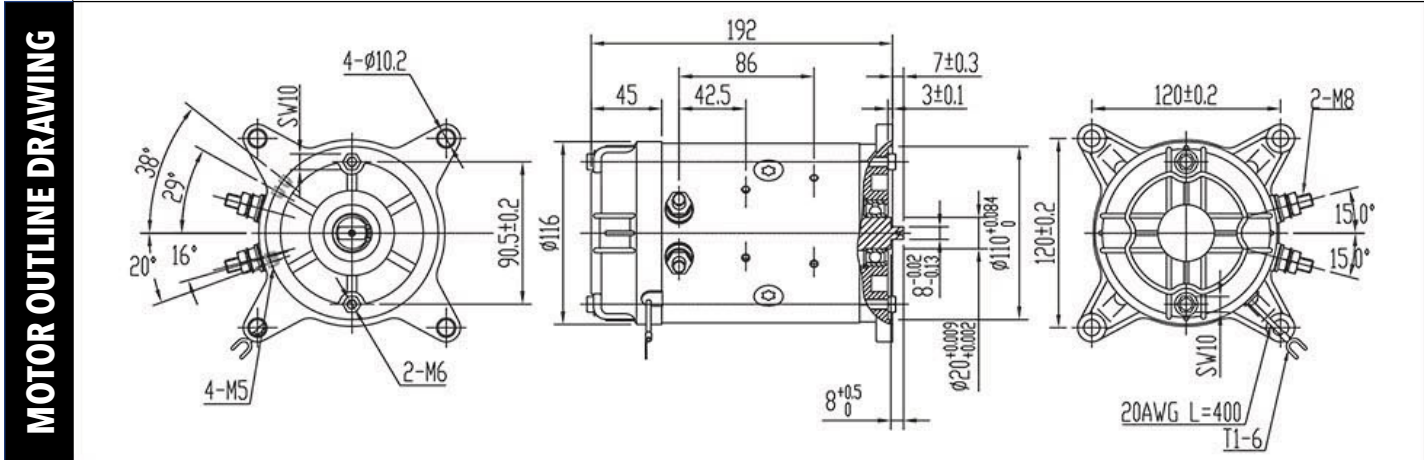




1 Z D 0 1 2 - L W 0 4 - X X
 A B C

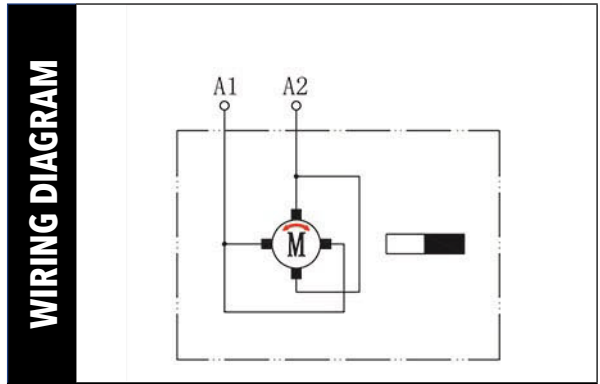


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD012-LW04-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 72 | 2000 | 50 | 7 | 2min-7%ED | F | IP54 | 1 | CW | 7.5 |

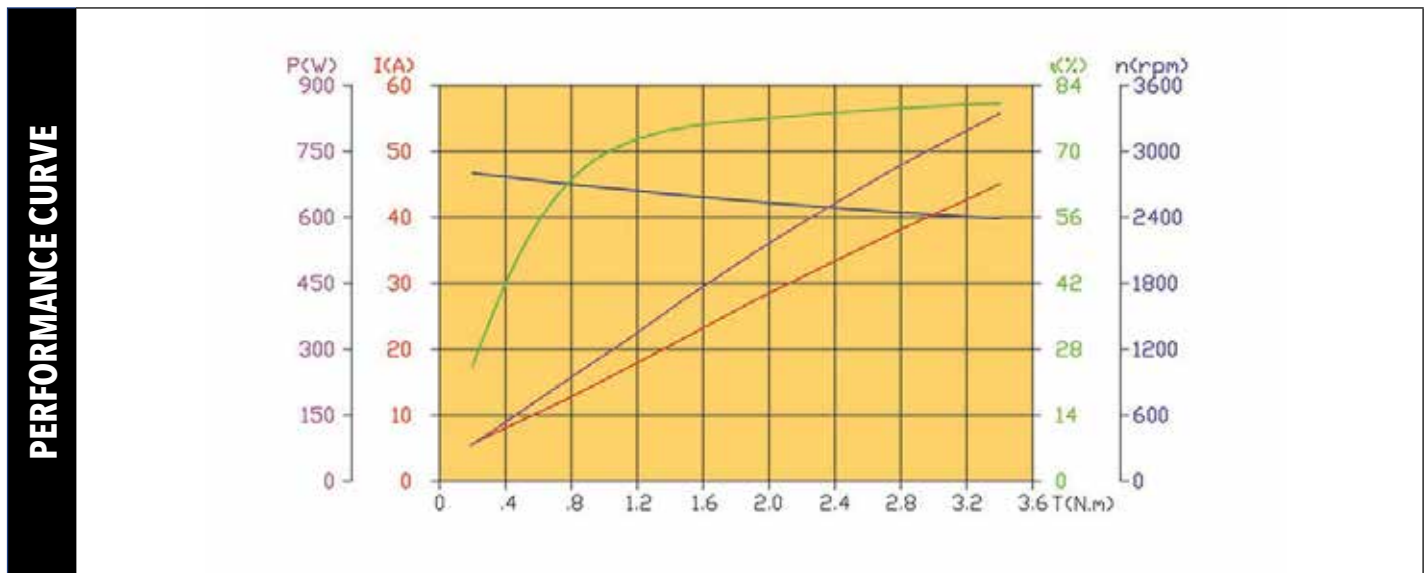
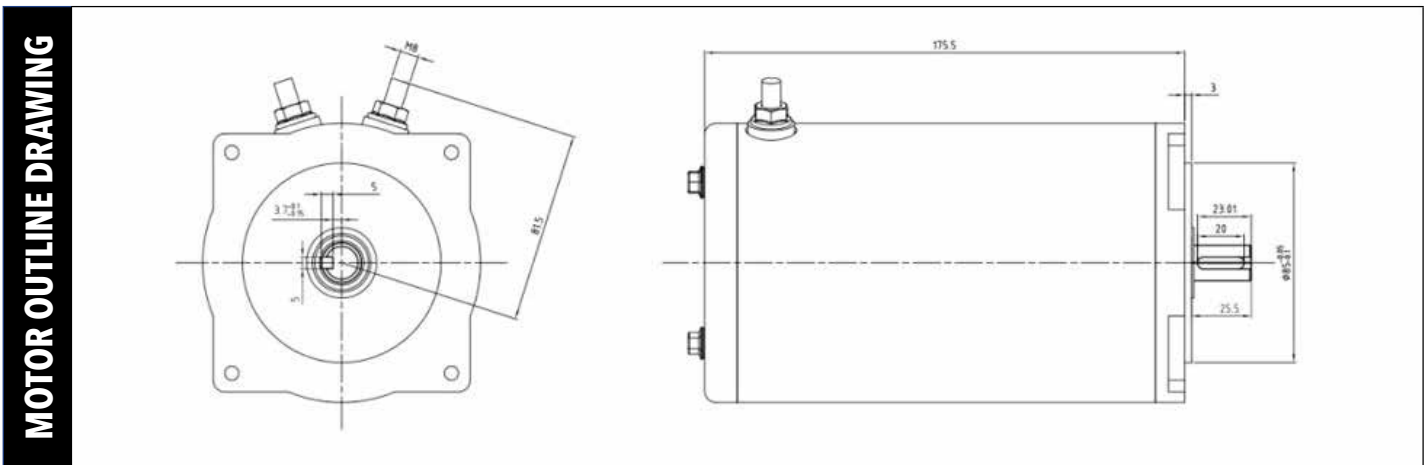




1 Z D 0 4 4 - 0 0 2 4 - X X
A B C

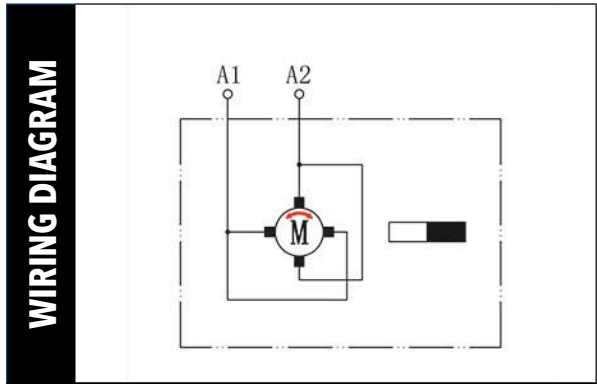


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD044-0024-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 800 | 45 | 3.3 | 30min | F | IP54 | / | CW/CCW | 8.5 |

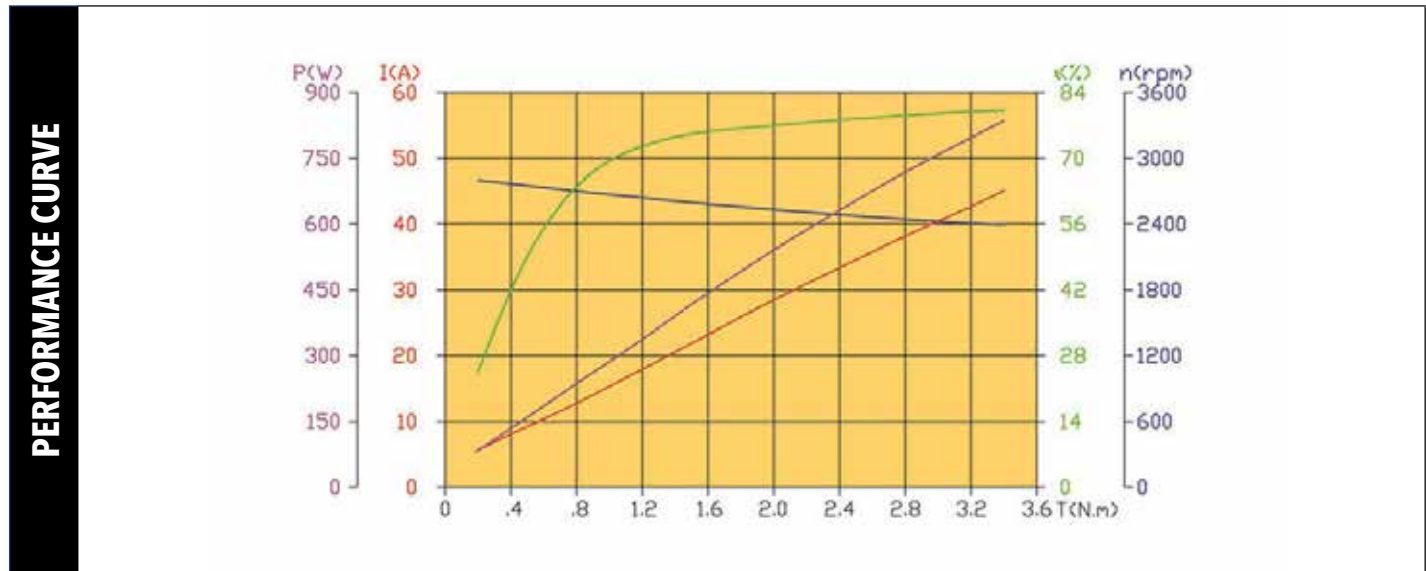
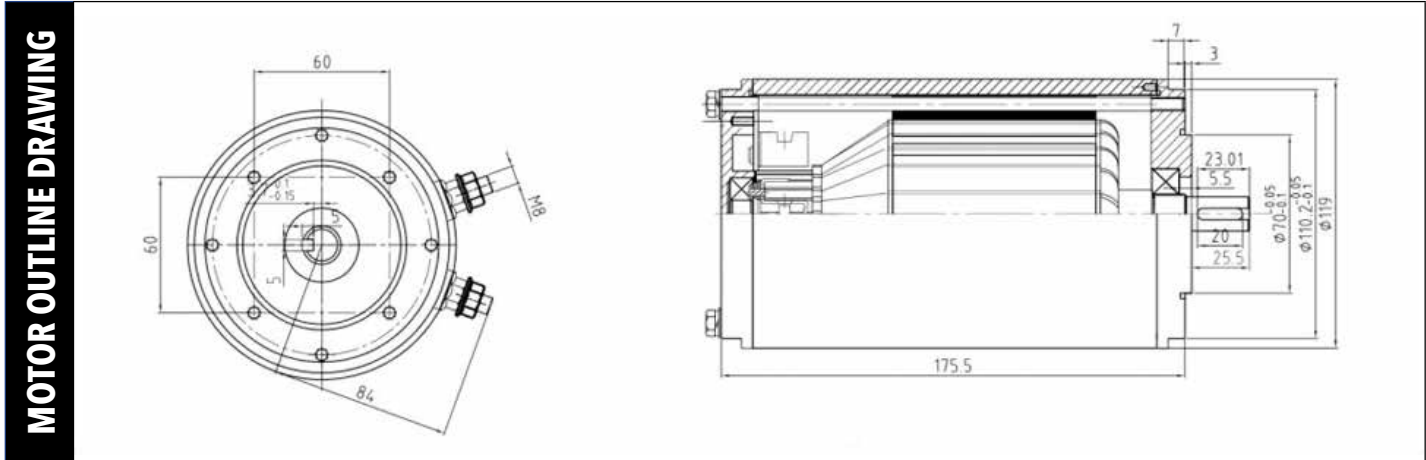




1 Z D 0 4 4 - 0 0 2 4 - X B
 A B C



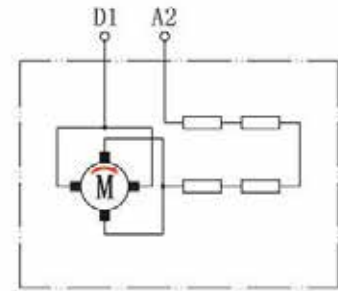
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD024-0024-XB | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 800 | 45 | 3.3 | 30min | F | IP54 | / | CW/CCW | 8.5 |





1 Z D 0 3 2 - M 0 0 4 - X X
A B C

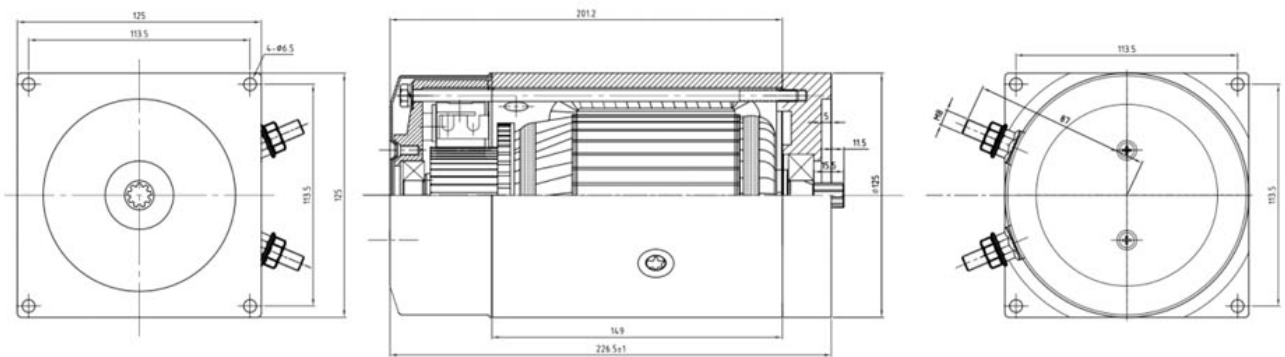
WIRING DIAGRAM



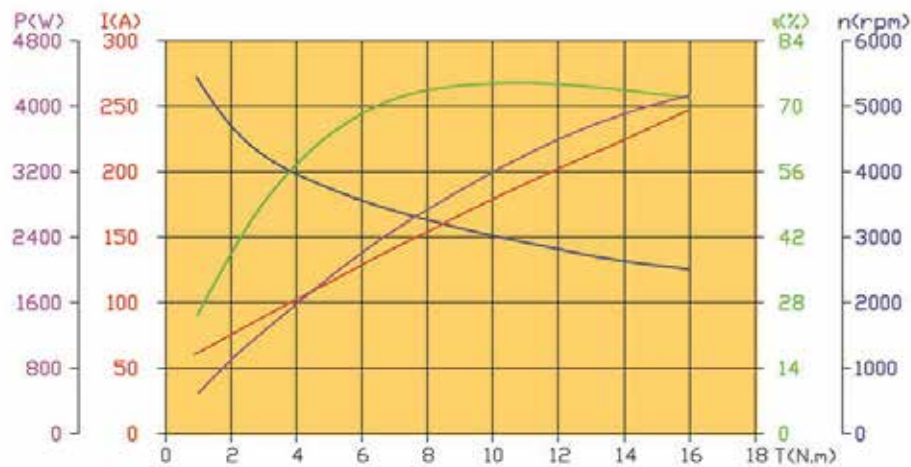
TECHNICAL DATA

| MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| ZD032-M004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| 24 | 3000 | 180 | 10 | 3min -10%ED | F | IP12 | 9 | CW | 10.5 |

MOTOR OUTLINE DRAWING

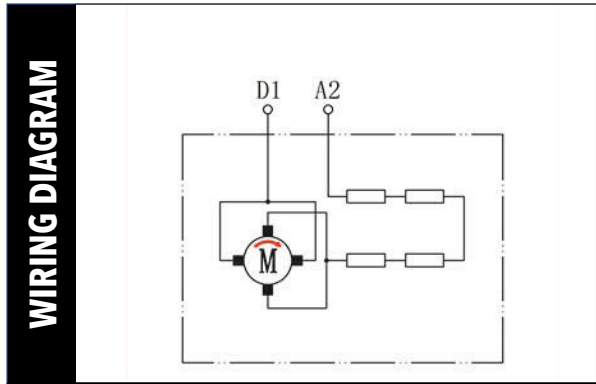


PERFORMANCE CURVE

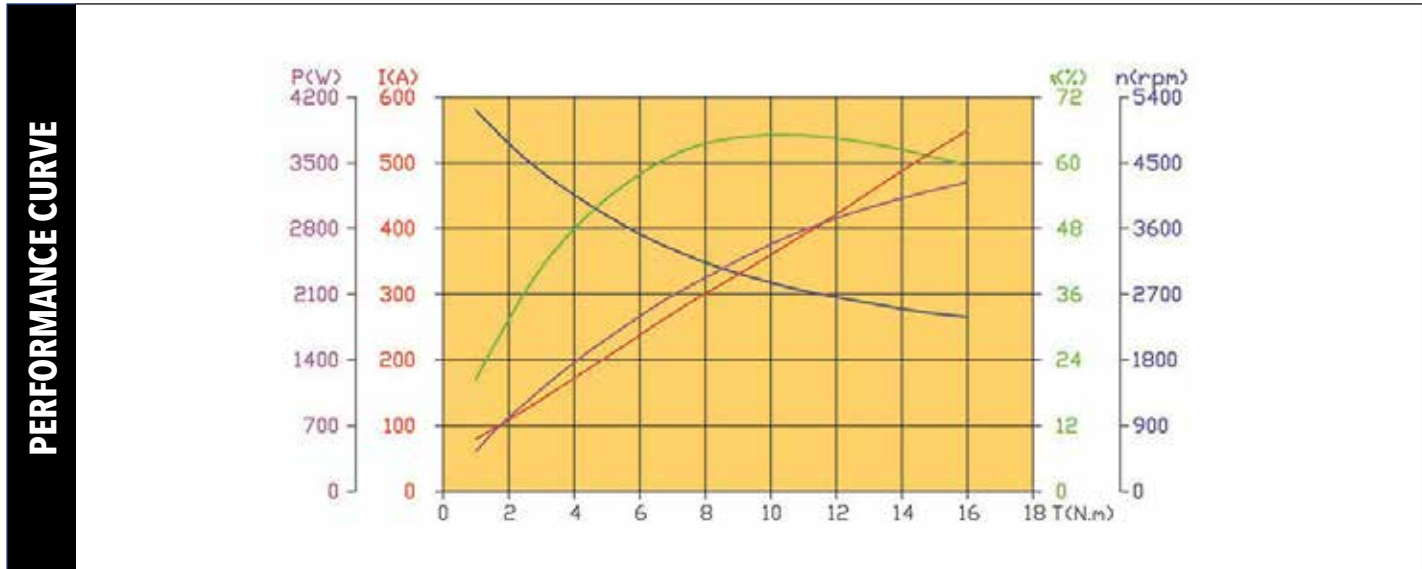
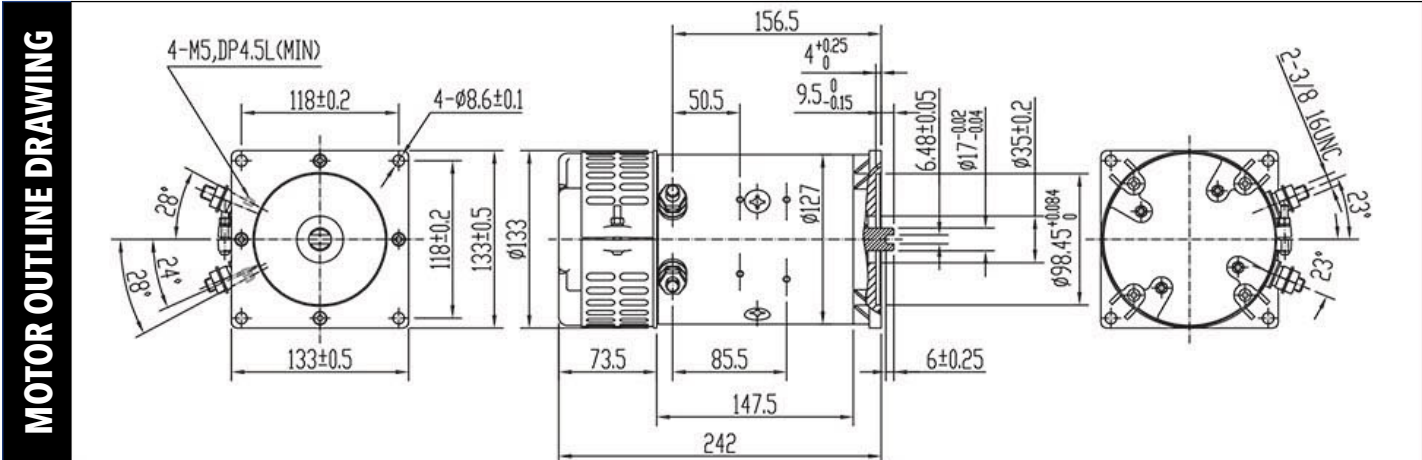




1 Z D 0 4 1 - 1 0 0 4 - X X
 A B C



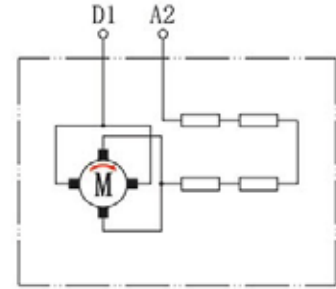
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD041-1004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 12 | 3000 | 250 | 6 | 10min-15%ED | F | IP12 | 2 | CW | 11.6 |



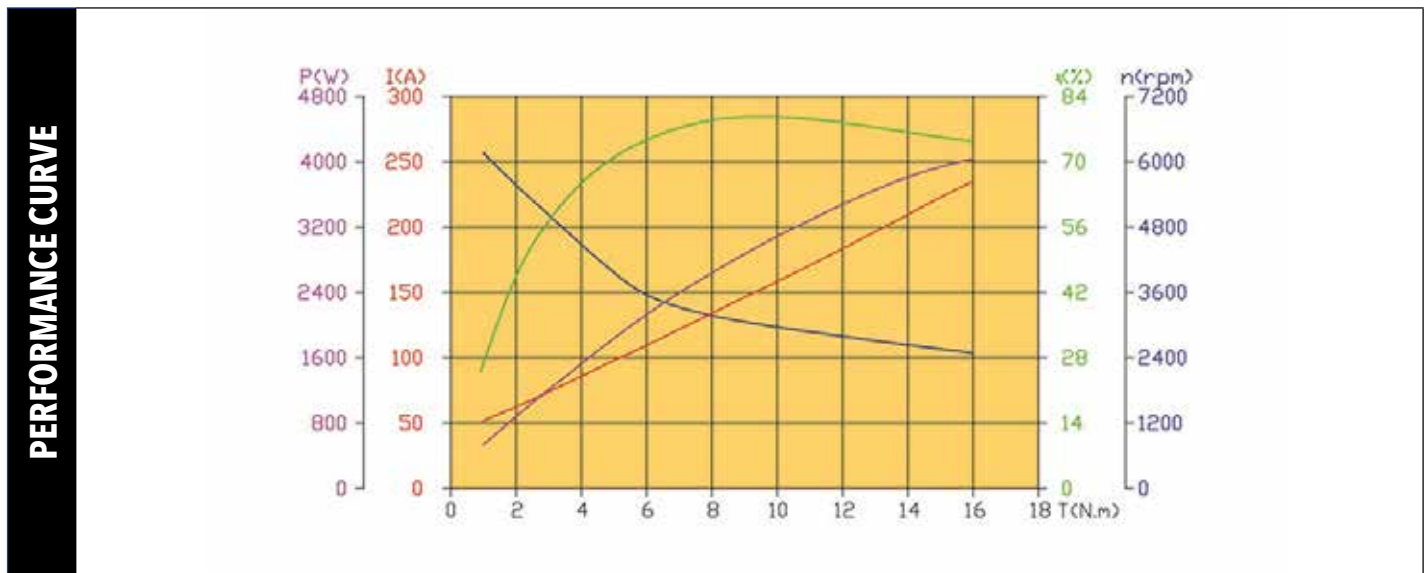
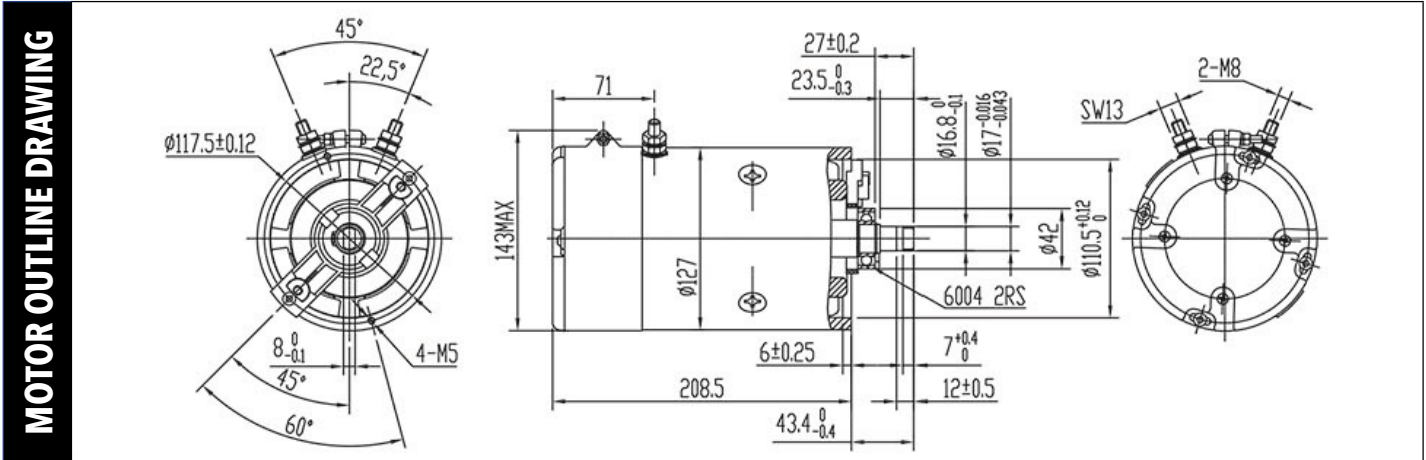


1 Z D 0 8 4 - 0 0 0 4 - X X
A B C

WIRING DIAGRAM

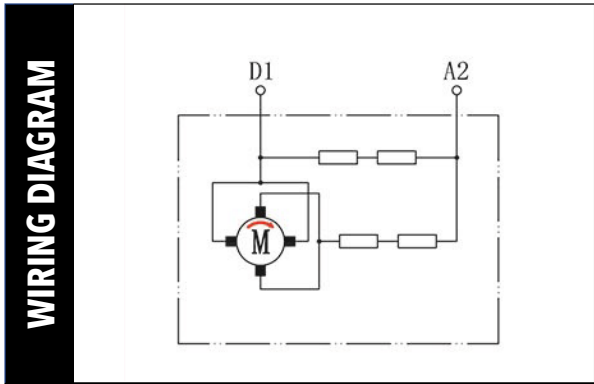


| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD041-1004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 3000 | 165 | 10 | 6min -11%ED | F | IP43 | 1 | CW | 12 |

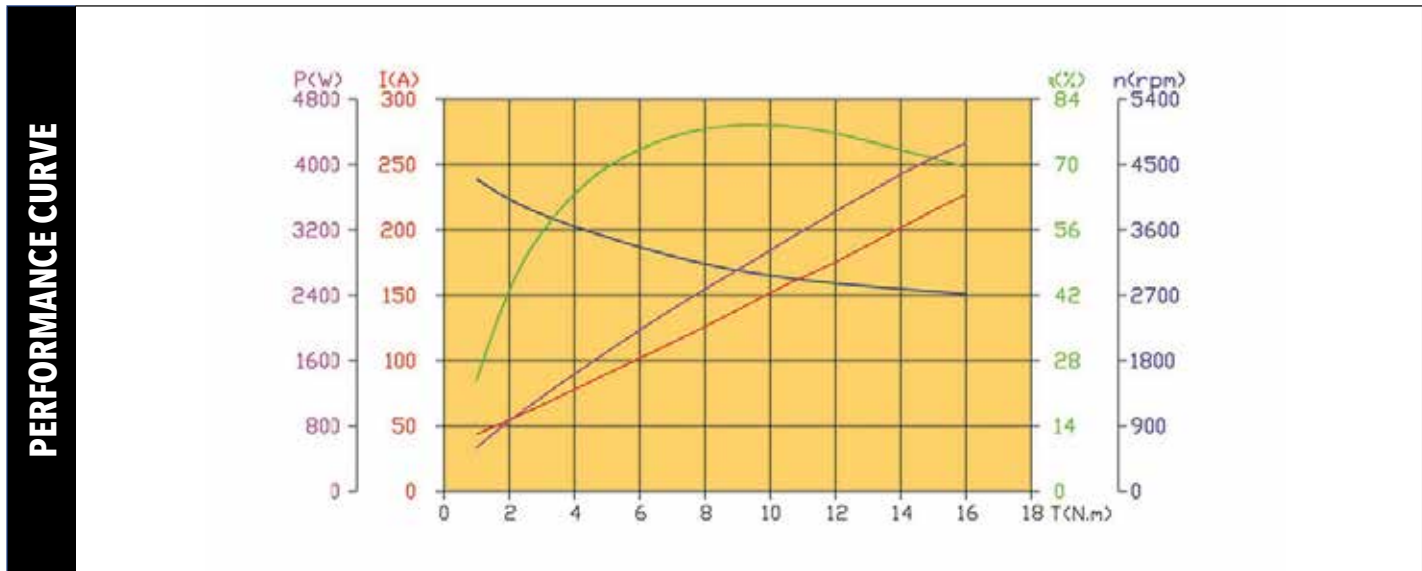
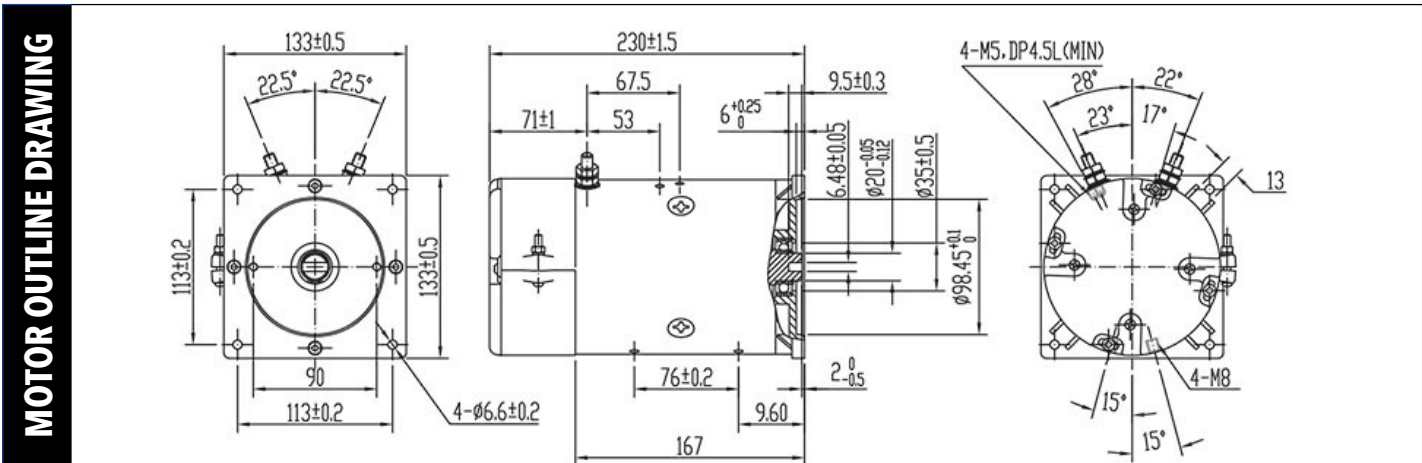




1 Z D 0 8 6 - F 0 0 4 - X X
 A B C



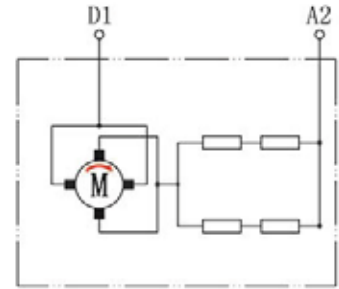
| TECHNICAL DATA | | | SCOPE OF APPLICATION | | | | | | |
|-------------------|-----------------|--------------------------|---|---------------------|------------------|------------------|-------------|----------|-------------|
| MOTOR MODEL | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | | |
| ZD041-1004-XX | | | | | | | | | |
| RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| 24 | 3000 | 160 | 10 | 5min-10%ED | F | IP53 | 2 | CW | 12 |



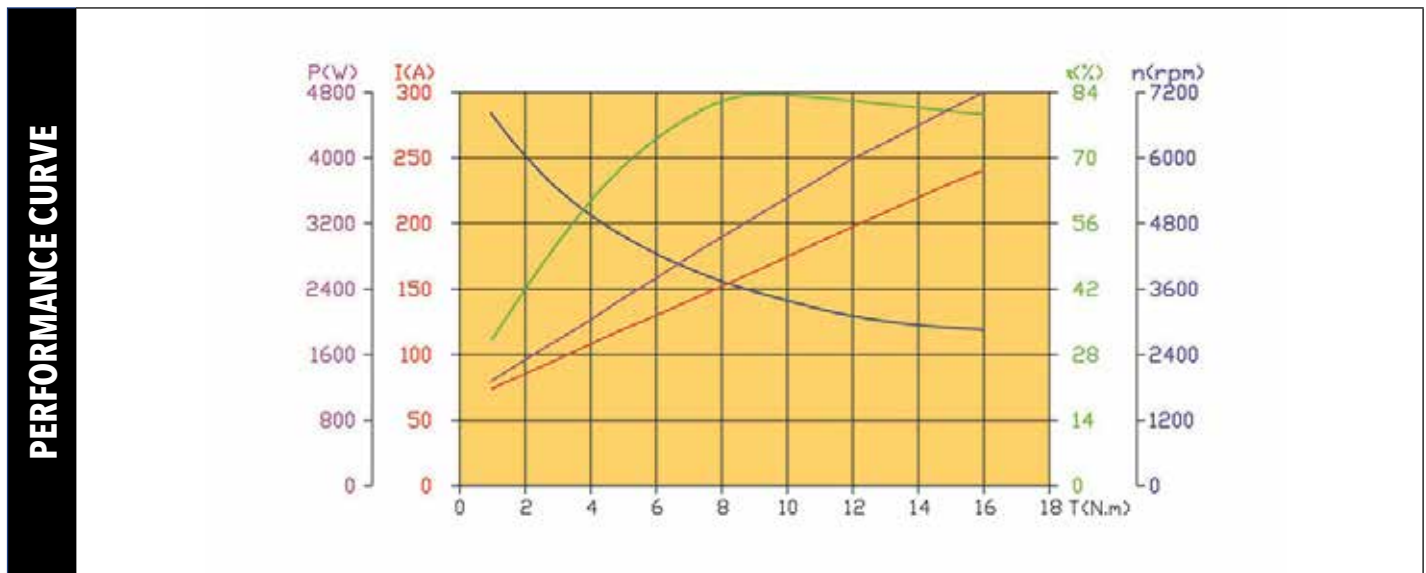
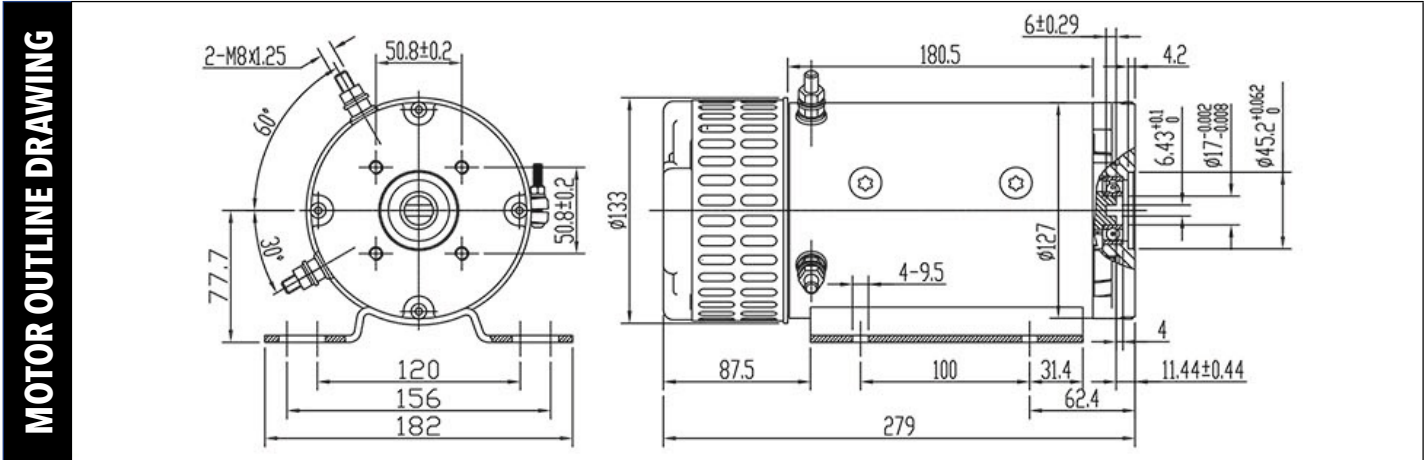


1 Z D 0 0 2 - N 0 0 4 - X X
A B C

WIRING DIAGRAM



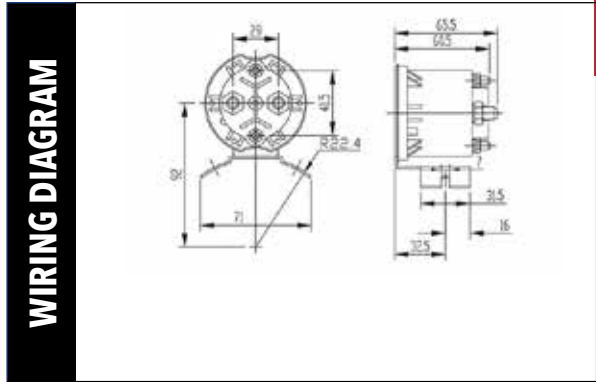
| TECHNICAL DATA | MOTOR MODEL | | | SCOPE OF APPLICATION | | | | | | |
|----------------|-------------------|-----------------|--------------------------|----------------------|---|------------------|------------------|-------------|----------|-------------|
| | | ZD002-N004-XX | | | VEHICLE POWER UNIT, LIFT, DOCK, LEVELER, PROFESSIONAL EQUIPMENT | | | | | |
| | RATED VOLTAGE (V) | RATED POWER (W) | RATED CURRENT AMPERE (A) | RATED TORQUE (N.m) | DUTY CYCLE S2MIN-3% | INSULATION CLASS | WATERPROOF CLASS | GEAR NUMBER | ROTATION | WEIGHT (kg) |
| | 24 | 4000 | 2200 | 14 | 13min-28%ED | F | IP12 | 9 | CW | 15 |



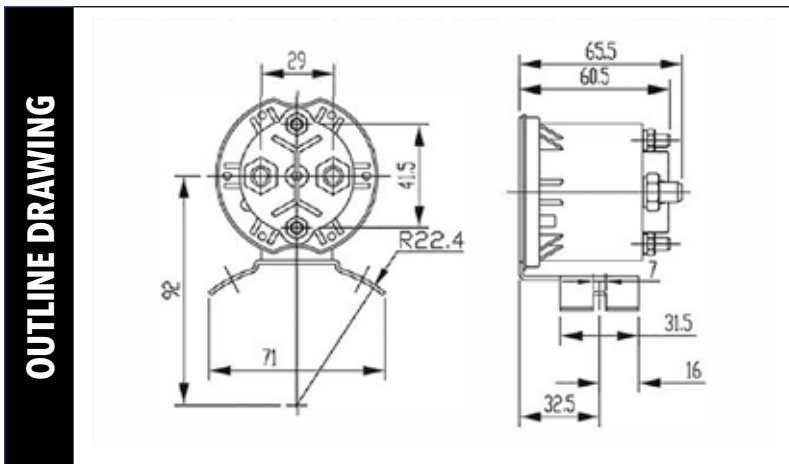
MAGNET RELAY SWITCH



1 D C K G - 0 1
A B

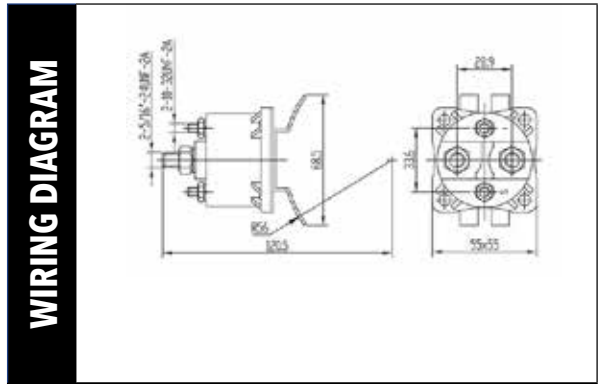


| TECHNICAL DATA | MODEL | | | SCOPE OF APPLICATION | | | | | |
|----------------|-------------------|---------------------|---------------------|--|-------------------------|---------------------|---------------------|--------------|------------------|
| | DCKG-01 | | | ZD03, ZD008, ZD029, ZD010, ZD012, ZD025, ZD036, ZD035, ZD048 | | | | | |
| | RATED VOLTAGE (V) | PULL-IN VOLTAGE (V) | RELEASE VOLTAGE (V) | COIL IMPEDANCE RESISTANCE Ω | LOAD CURRENT AMPERE (A) | LARGE TERMINAL (IN) | SMALL TERMINAL (IN) | LIFE (TIMES) | TEMPERATURE (°C) |
| | 12 | 7.5 | 3.5 | 3.5 | 150/250 | 5/16-32UNF | 10#-24UNF | 100000 | -20 °C-82 °C |
| | 24 | 16 | 7 | 48 | 150/250 | 5/16-32UNF | 10#-24UNF | 600000 | -20 °C-82 °C |
| | 36 | 24 | 10.4 | 105 | 150/250 | 5/16-32UNF | 10#-24UNF | 600000 | -20 °C-82 °C |
| | 48 | 32 | 13.9 | 195 | 150/250 | 5/16-32UNF | 10#-24UNF | 600000 | -20 °C-82 °C |

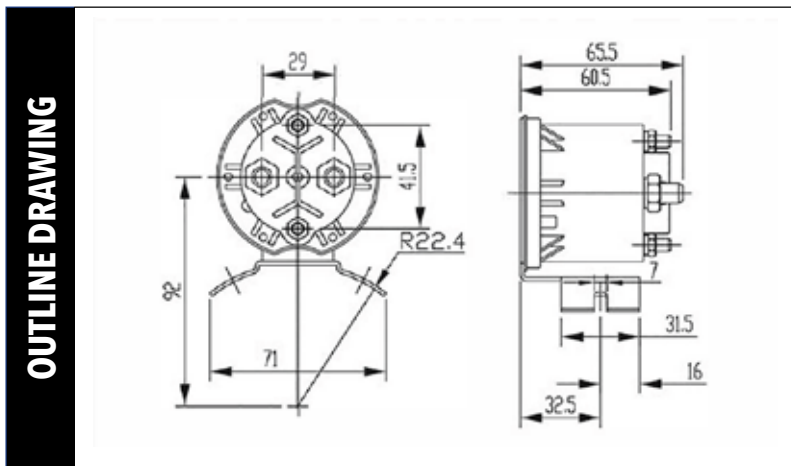




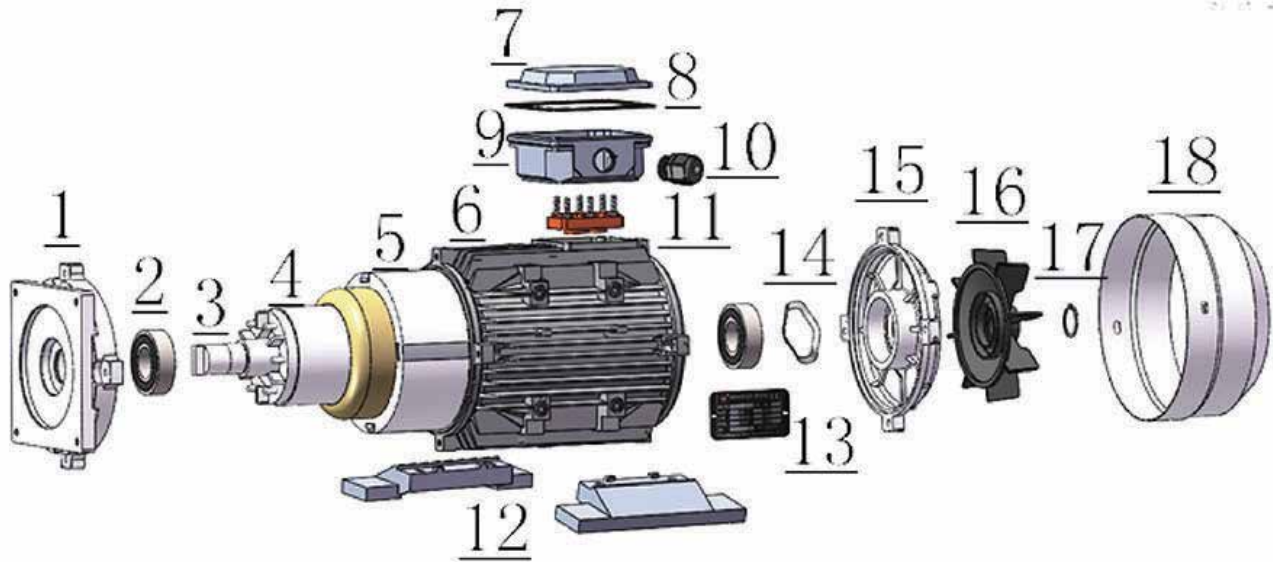
1 D C K G - 0 2
A B



| TECHNICAL DATA | MODEL | | | SCOPE OF APPLICATION | | | | | |
|----------------|-------------------|---------------------|---------------------|---|-------------------------|---------------------|---------------------|--------------|------------------|
| | DCKG-02 | | | ZD04, ZD005, ZD006, ZD007, ZD023, ZD024, ZD026, ZD027 | | | | | |
| | RATED VOLTAGE (V) | PULL-IN VOLTAGE (V) | RELEASE VOLTAGE (V) | COIL IMPEDANCE RESISTANCE Ω | LOAD CURRENT AMPERE (A) | LARGE TERMINAL (IN) | SMALL TERMINAL (IN) | LIFE (TIMES) | TEMPERATURE (°C) |
| | 12 | 6 | 12.3 | 7.1 | 150/250 | 5/16-32UNF | 10#-24UNF | 100000 | -20 °C-82 °C |
| | 24 | 12 | 4.6 | 28.4 | 150/250 | 5/16-32UNF | 10#-24UNF | 600000 | -20 °C-82 °C |
| | 36 | 25 | 8 | 130 | 150/250 | 5/16-32UNF | 10#-24UNF | 600000 | -20 °C-82 °C |



MOTOR EXPLODED VIEW



MOTOR COMPONENT TABLE

| | | | |
|---|---------------------|----|--------------------|
| 1 | MOUNTING FLANGE | 10 | CABLE GLAND |
| 2 | BEARING | 11 | TERMINAL BOX BOARD |
| 3 | SHAFT | 12 | FEET |
| 4 | ROTOR | 13 | NAMEPLATE |
| 5 | STATOR | 14 | WAVE WASHER |
| 6 | FRAME | 15 | REAR HOUSING |
| 7 | TERMINAL BOX LID | 16 | COOLING FAN |
| 8 | TERMINAL BOX GASKET | 17 | FAN RING |
| 9 | TERMINAL BOX BASE | 18 | FANCOVER |

MOTOR OUTLINE DRAWINGS

AC MOTORS

| | LV/LV2 80-90 S1, S2 WITH VENTILATION | | | | |
|--|---|-----|-----|-----|-----|
| | FRAME NUMBER | L | HD | A | B |
| | 80M | 259 | 207 | 125 | 100 |
| | 90S | 259 | 217 | 140 | 100 |
| | 90L | 284 | 217 | 140 | 125 |

| | LV80-90 S3 WITHOUT VENTILATION | | | | |
|--|---------------------------------------|-----|-----|-----|-----|
| | FRAME NUMBER | L | HD | A | B |
| | 80M | 259 | 207 | 125 | 100 |
| | 90S | 259 | 217 | 140 | 100 |
| | 90L | 284 | 217 | 140 | 125 |

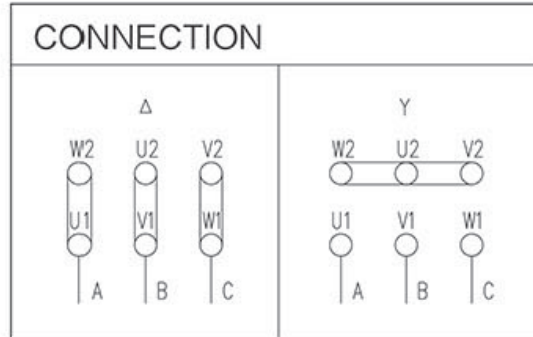
| | LV/LV2 90ML S1, S2 WITH VENTILATION | | | | |
|--|--|-----|-----|-----|-----|
| | FRAME NUMBER | L | HD | A | B |
| | 80M | 259 | 207 | 125 | 100 |
| | 90S | 259 | 217 | 140 | 100 |
| | 90L | 284 | 217 | 140 | 125 |

| | LB90D WITH VENTILATION | | | | |
|--|-------------------------------|-----|-----|-----|-----|
| | FRAME NUMBER | L | HD | A | B |
| | 80M | 259 | 207 | 125 | 100 |
| | 90S | 259 | 217 | 140 | 100 |
| | 90L | 284 | 217 | 140 | 125 |

| | LVG100 WITHOUT VENTILATION | | | | |
|--|-----------------------------------|-----|-----|-----|-----|
| | FRAME NUMBER | L | HD | A | B |
| | 80M | 259 | 207 | 125 | 100 |
| | 90S | 259 | 217 | 140 | 100 |
| | 90L | 284 | 217 | 140 | 125 |

HYDRAULIC MOTOR - 3PHASE MOTOR, .55kw

AC MOTORS



| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | | FREQUENCY | SPEED | AMPS | | EFFICIENCY | POWER FACTOR |
|-------------------|--------------|------|---------|------------|---------|------|-----------|-------|---------|-----|------------|--------------|
| | (KW) | (HP) | | | (V) | (HZ) | | | (r/min) | (A) | | |
| LV-001-[]1-80-S1 | 0.55 | 0.75 | 2 | 80M | 220 | 380 | 50 | 2805 | 2.3 | 1.3 | 72 | 0.87 |
| LV-002-[]1-80-S1 | 0.55 | 0.75 | 4 | 80M | 220 | 380 | 50 | 1390 | 2.6 | 1.5 | 71 | 0.87 |
| SERIES CODE | RATED TORQUE | | TMAX/TN | TST/TN | 1ST/1N | INS | IP | DUTY | | | | |
| | (N.m) | | | | | | | | | | | |
| LV-001-[]1-80-S1 | 1.9 | | 2.2 | 1.6 | 4.5 | F | IP54 | S1 | | | | |
| LV-002-[]1-80-S1 | 3.8 | | 2.8 | 2.5 | 4.8 | F | IP54 | S1 | | | | |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle.

Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

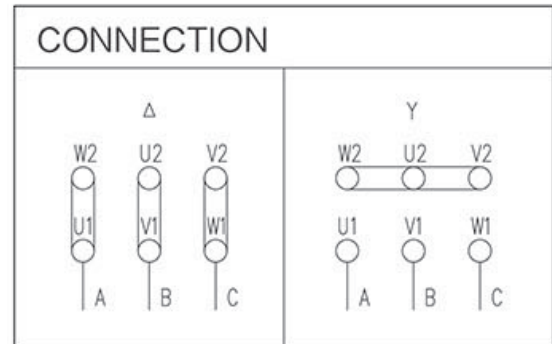
RAL9005

RAL5010

ZINC
SILVER

CUSTOMERS CAN
PROVIDE COLOR CARDS

HYDRAULIC MOTOR - 3PHASE MOTOR, .75kw



AC MOTORS

| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | | FREQUENCY | SPEED | AMPS | | EFFICIENCY | POWER FACTOR |
|--------------------|--------------|------|---------|------------|---------|------|-----------|--------|---------|-----|------------|--------------|
| | (KW) | (HP) | | | (V) | (HZ) | | | (r/min) | (A) | | |
| LV-003-[]1-80-S1 | 0.75 | 1 | 2 | 80M | 220 | 380 | 50 | 2825 | 3.0 | 1.7 | 75 | 0.87 |
| LV2-003-[]1-80-S1 | 0.75 | 1 | 2 | 80M | 220 | 380 | 50 | 2880 | 3.1 | 1.8 | 77.4 | 0.87 |
| LV-003-[]2-71-S3 | 0.75 | 1 | 2 | 71M | 230 | 400 | 50 | 2729 | 2.9 | 1.7 | 74.5 | 0.88 |
| LV-004-[]1-80-S1 | 0.75 | 1 | 4 | 80M | 220 | 380 | 50 | 1380 | 3.3 | 1.9 | 74.5 | 0.8 |
| LV2-004-[]1-80-S1 | 0.75 | 1 | 4 | 80M | 220 | 380 | 50 | 1430 | 3.4 | 2 | 79.6 | 0.72 |
| SERIES CODE | RATED TORQUE | | TMAX/TN | TST/TN | 1ST/1N | INS | IP | DUTY | | | | |
| | (N.m) | | | | | | | | | | | |
| LV-003-[]1-80-S1 | 2.5 | | 2.2 | 1.8 | 5 | F | IP54 | S1 | | | | |
| LV2-003-[]1-80-S1 | 2.5 | | 2.3 | 2.2 | 7.8 | F | IP54 | S1 | | | | |
| LV-003-[]2-71-S3 | 2.6 | | 2.3 | 2.2 | 4.5 | F | IP54 | S3-30% | | | | |
| LV-004-[]1-80-S1 | 5.2 | | 2.7 | 2.6 | 5.1 | F | IP54 | S1 | | | | |
| LV2-004-[]1-80-S1 | 5 | | 2.3 | 2.2 | 6 | F | IP54 | S1 | | | | |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle.

Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

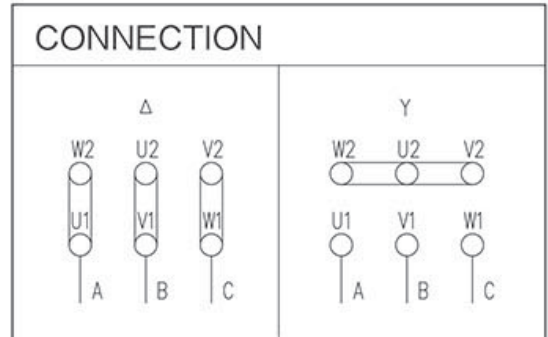
RAL9005

RAL5010

ZINC SILVER

CUSTOMERS CAN PROVIDE COLOR CARDS

HYDRAULIC MOTOR - 3PHASE MOTOR, 1.1kw



AC MOTORS

| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | | FREQUENCY | SPEED | AMPS | | EFFICIENCY | POWER FACTOR |
|--------------------|--------------|------|-------|------------|---------|------|-----------|-------|---------|-----|------------|--------------|
| | (KW) | (HP) | | | (V) | (HZ) | | | (r/min) | (A) | | |
| LV-005-[]1-80-SI | 1.1 | 1.5 | 2 | 80M | 220 | 380 | 50 | 2880 | 3.1 | 1.8 | 77.4 | 0.81 |
| LV2-005-[]1-80-SL | 1.1 | 1.5 | 2 | 80M | 220 | 380 | 50 | 2850 | 4.3 | 2.5 | 79.6 | 0.84 |
| LV-005-[]1-90-S2 | 1.1 | 1.5 | 2 | 90S | 220 | 380 | 50 | 2832 | 4.4 | 2.5 | 76 | 0.87 |
| LV-005-[]2-71-S3 | 1.1 | 1.5 | 2 | 71 | 230 | 400 | 50 | 2710 | 4.2 | 2.4 | 75 | 0.88 |
| LV-006-[]1-90-SI | 1.1 | 1.5 | 4 | 90S | 220 | 380 | 50 | 1400 | 4.6 | 2.7 | 76.5 | 0.82 |
| LV2-006-[]1-90-SI | 1.1 | 1.5 | 4 | 90S | 220 | 380 | 50 | 1414 | 4.4 | 2.6 | 81.4 | 0.8 |
| LV-006-[]1-80-S2 | 1.1 | 1.5 | 4 | 80M | 220 | 380 | 50 | 1365 | 4.8 | 2.8 | 73.5 | 0.82 |
| LV-006-[]1-80-S3 | 1.1 | 1.5 | 4 | 80M | 220 | 380 | 50 | 1430 | 4.8 | 2.8 | 73.5 | 0.82 |
| LV-006-[]2-71-S3 | 1.1 | 1.5 | 4 | 71 | 230 | 400 | 50 | 1300 | 4.8 | 2.7 | 71.5 | 0.81 |

| SERIES CODE | RATED TORQUE | TMAX/TN | TST/TN | 1ST/1N | INS | IP | DUTY |
|--------------------|--------------|---------|--------|--------|-----|------|----------|
| | (N.m) | | | | | | |
| LV-005-[]1-80-SI | 2.5 | 2.3 | 2.2 | 7.8 | F | IP54 | S1 |
| LV2-005-[]1-80-SL | 3.7 | 2.3 | 2.2 | 7.5 | F | IP54 | S1 |
| LV-005-[]1-90-S2 | 3.7 | 2.2 | 2 | 5.5 | F | IP54 | S2-30MIN |
| LV-005-[]2-71-S3 | 3.9 | 2.2 | 2 | 4.5 | F | IP54 | S3-30% |
| LV-006-[]1-90-SI | 7.5 | 3 | 2.3 | 6.3 | F | IP54 | S1 |
| LV2-006-[]1-90-SI | 7.4 | 2.3 | 2.2 | 6.5 | F | IP54 | S1 |
| LV-006-[]1-80-S2 | 7.7 | 2 | 1.8 | 5 | F | IP54 | S2-30MIN |
| LV-006-[]1-80-S3 | 7.3 | 2 | 1.8 | 4 | F | IP54 | S3-40% |
| LV-006-[]2-71-S3 | 8.1 | 2 | 1.8 | 4 | F | IP54 | S3-10% |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle. Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

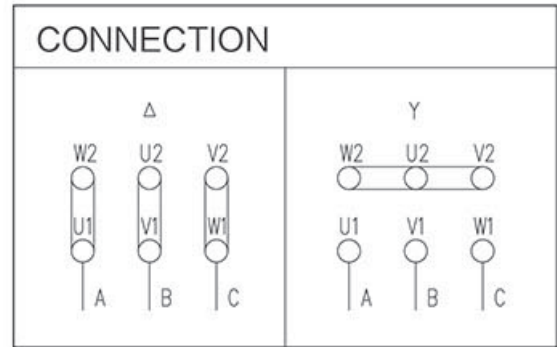
RAL9005

RAL5010

ZINC SILVER

CUSTOMERS CAN PROVIDE COLOR CARDS

HYDRAULIC MOTOR - 3PHASE MOTOR, 1.5kw



AC MOTORS

| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | | FREQUENCY (HZ) | SPEED (r/min) | AMPS | | EFFICIENCY (%) | POWER FACTOR COS |
|--------------------|--------------|------|-------|------------|---------|-----|----------------|---------------|------|-----|----------------|------------------|
| | (KW) | (HP) | | | (V) | (A) | | | | | | |
| LV-007-[]D1-90-S1 | 1.5 | 2 | 2 | 90S | 220 | 380 | 50 | 2845 | 5.6 | 3.2 | 79 | 0.89 |
| LV2-007-[]1-90-S1 | 1.5 | 2 | 2 | 90S | 220 | 380 | 50 | 2880 | 6 | 3.5 | 81.3 | 0.81 |
| LV-007-[]1-80-S3 | 1.5 | 2 | 2 | 80M | 220 | 380 | 50 | 2810 | 5.7 | 3.3 | 77 | 0.89 |
| LV-007-[]2-80-S3 | 1.5 | 2 | 2 | 80M | 220 | 400 | 50 | 2810 | 5.5 | 3.2 | 77 | 0.89 |
| LV-008-[]1-90-S1 | 1.5 | 2 | 4 | 90S | 220 | 380 | 50 | 1390 | 6.2 | 3.6 | 77.1 | 0.83 |
| LV2-008-[]1-90-S3 | 1.5 | 2 | 4 | 90I | 220 | 380 | 50 | 1430 | 6.1 | 3.5 | 82.8 | 0.78 |
| LV-008-[]1-80 S3 | 1.5 | 2 | 4 | 80M | 220 | 380 | 50 | 1325 | 6.2 | 3.6 | 72 | 0.83 |

| SERIES CODE | RATED TORQUE | TMAX/TN | TST/TN | 1ST/LN | INS | IP | DUTY |
|--------------------|--------------|---------|--------|--------|-----|------|--------|
| | (N.m) | | | | | | |
| LV-007-[]D1-90-S1 | 5 | 2.2 | 2 | 5.8 | F | IP54 | S1 |
| LV2-007-[]1-90-S1 | 5 | 2.3 | 2.2 | 9 | F | IP54 | S1 |
| LV-007-[]1-80-S3 | 5.1 | 2 | 1.8 | 5 | F | IP54 | S3-40% |
| LV-007-[]2-80-S3 | 5.1 | 2 | 1.8 | 5 | F | IP54 | S3-20% |
| LV-008-[]1-90-S1 | 10.3 | 3.3 | 2.3 | 6.4 | F | IP54 | S1 |
| LV2-008-[]1-90-S3 | 10 | 2.3 | 2.2 | 8.4 | F | IP54 | S1 |
| LV-008-[]1-80 S3 | 10.8 | 2 | 1.8 | 3.5 | F | IP54 | S3-40% |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle. Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

RAL9005

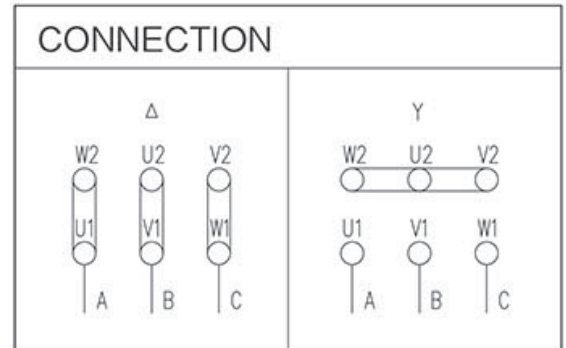
RAL5010

ZINC SILVER

CUSTOMERS CAN PROVIDE COLOR CARDS

HYDRAULIC MOTOR - 3PHASE MOTOR, 2.2kw

AC MOTORS



| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | | FREQUENCY | SPEED | AMPS | | EFFICIENCY | POWER FACTOR |
|---------------------|--------------|------|-------|------------|---------|-----|-----------|-------|------|-----|------------|--------------|
| | (KW) | (HP) | | | (V) | (A) | | | (%) | COS | | |
| LV-009-[]1-90-S1 | 2.2 | 3 | 2 | 90L | 220 | 380 | 50 | 2846 | 7.8 | 4.5 | 82.5 | 0.9 |
| LV2-009-[]1-90-S1 | 2.2 | 3 | 2 | 90L | 220 | 380 | 50 | 2880 | 8.1 | 4.7 | 83.2 | 0.86 |
| LVG-009-[]1-100-S2 | 2.2 | 3 | 2 | 100G | 220 | 380 | 50 | 2864 | 7.9 | 4.6 | 83.6 | 0.89 |
| LV-009-[]2-80-S3 | 2.2 | 3 | 2 | 80M | 230 | 400 | 50 | 2820 | 7.8 | 4.5 | 80 | 0.88 |
| LV-010-[]1-90-S1 | 2.2 | 3 | 4 | 90L | 220 | 380 | 50 | 1382 | 8.7 | 5.1 | 79.5 | 0.83 |
| LV2-010-[]1-100-S1 | 2.2 | 3 | 4 | 100S | 220 | 380 | 50 | 1441 | 8.6 | 5 | 84.3 | 0.8 |

| SERIES CODE | RATED TORQUE | TMAX/TN | TST/TN | 1ST/1N | INS | IP | DUTY |
|---------------------|--------------|---------|--------|--------|-----|------|----------|
| | (N.m) | | | | | | |
| LV-009-[]1-90-S1 | 7.4 | 2.5 | 2.2 | 6.5 | F | IP54 | S1 |
| LV2-009-[]1-90-S1 | 7.3 | 2.3 | 2.2 | 9 | F | IP54 | S1 |
| LVG-009-[]1-100-S2 | 7.3 | 2.3 | 2.7 | 6.3 | F | IP44 | S2-30MIN |
| LV-009-[]2-80-S3 | 7.5 | 2 | 1.8 | 5.5 | F | IP54 | S3-15% |
| LV-010-[]1-90-S1 | 15.2 | 3.5 | 2.1 | 6.4 | F | IP54 | S1 |
| LV2-010-[]1-100-S1 | 14.6 | 2.3 | 2.2 | 7.7 | F | IP54 | S1 |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle.

Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

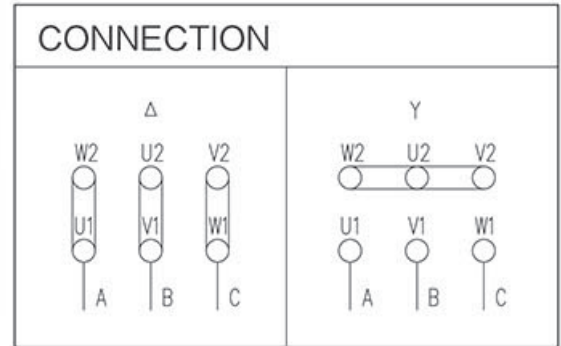
RAL9005

RAL5010

ZINC SILVER

CUSTOMERS CAN PROVIDE COLOR CARDS

HYDRAULIC MOTOR - 3PHASE MOTOR, 3kw



AC MOTORS

| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | | FREQUENCY | SPEED | AMPS | | EFFICIENCY | POWER FACTOR |
|---------------------|--------------|------|-------|------------|---------|-----|-----------|-------|------|-----|------------|--------------|
| | (KW) | (HP) | | | (V) | (A) | | | (%) | COS | | |
| LV-011-[]1-90-S1 | 3 | 4 | 2 | 90L | 220 | 380 | 50 | 2840 | 11.5 | 6.7 | 81.3 | 0.84 |
| LV2-011-[]1-100-S1 | 3 | 4 | 2 | 100S | 220 | 380 | 50 | 2850 | 10.5 | 6.1 | 84.6 | 0.89 |
| LV-012-[]1-90-S1 | 3 | 4 | 4 | 90L | 220 | 380 | 50 | 1390 | 13.4 | 7.8 | 77.1 | 0.76 |
| LV2-012-[]1-100-S1 | 3 | 4 | 4 | 100S | 220 | 380 | 50 | 1425 | 11.2 | 6.5 | 85.5 | 0.82 |
| LV-012-[]1-90-S2 | 3 | 4 | 4 | 90L | 220 | 380 | 50 | 1350 | 12.5 | 7.2 | 76 | 0.83 |

| SERIES CODE | RATED TORQUE | TMAX/TN | TST/TN | 1ST/1N | INS | IP | DUTY |
|---------------------|--------------|---------|--------|--------|-----|------|----------|
| | (N.m) | | | | | | |
| LV-011-[]1-90-S1 | 10.1 | 2.2 | 2 | 7 | F | IP54 | S1 |
| LV2-011-[]1-100-S1 | 10.1 | 2.3 | 2.2 | 8 | F | IP54 | S1 |
| LV-012-[]1-90-S1 | 20.6 | 2 | 1.8 | 6 | F | IP54 | S1 |
| LV2-012-[]1-100-S1 | 26.6 | 2.3 | 2.2 | 6.8 | F | IP54 | S1 |
| LV-012-[]1-90-S2 | 21.2 | 1.8 | 1.6 | 4.5 | F | IP54 | S2-30MIN |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle.

Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

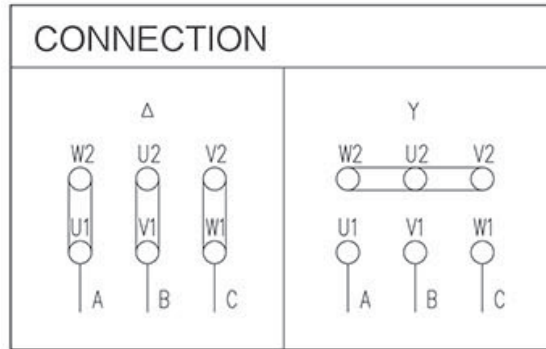
RAL9005

RAL5010

ZINC SILVER

CUSTOMERS CAN PROVIDE COLOR CARDS

HYDRAULIC MOTOR - 3PHASE MOTOR, 3kw



AC MOTORS

| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | | FREQUENCY | SPEED | AMPS | | EFFICIENCY | POWER FACTOR |
|---------------------|--------------|------|-------|------------|---------|-----|-----------|-------|------|------|------------|--------------|
| | (KW) | (HP) | | | (V) | (V) | | | (A) | (%) | | |
| LV2-013-[]1-112-S1 | 4 | 5.5 | 2 | 112M | 220 | 380 | 50 | 2880 | 13.6 | 7.9 | 85.8 | 0.9 |
| LV2-014-[]1-112-S1 | 4 | 5.5 | 4 | 112M | 220 | 380 | 50 | 1438 | 14.3 | 8.3 | 86.6 | 0.85 |
| LV2-015-[]1-132-S1 | 5.5 | 7.5 | 2 | 132S | 220 | 380 | 50 | 2880 | 18.4 | 10.7 | 87 | 0.9 |
| LV2-016-[]1-132-S1 | 5.5 | 7.5 | 4 | 132S | 220 | 380 | 50 | 1450 | 19.8 | 11.5 | 87.7 | 0.83 |
| LV2-017-[]1-132-S1 | 7.5 | 10 | 2 | 132S | 220 | 380 | 50 | 2880 | 18.4 | 10.7 | 88.1 | 0.9 |
| LV2-018-[]1-132-S1 | 10 | 10 | 4 | 132M | 220 | 380 | 50 | 1453 | 26.1 | 15.1 | 88.7 | 0.85 |

| SERIES CODE | RATED TORQUE | TMAX/TN | TST/TN | 1ST/1N | INS | IP | DUTY |
|---------------------|--------------|---------|--------|--------|-----|------|------|
| | (N.m) | | | | | | |
| LV2-013-[]1-112-S1 | 13.3 | 2.3 | 2.2 | 7.7 | F | IP54 | S1 |
| LV2-014-[]1-112-S1 | 26.6 | 2.3 | 2.2 | 6.8 | F | IP54 | S1 |
| LV2-015-[]1-132-S1 | 18.2 | 2.3 | 2.2 | 9 | F | IP54 | S1 |
| LV2-016-[]1-132-S1 | 36.2 | 2.3 | 2.2 | 6.9 | F | IP54 | S1 |
| LV2-017-[]1-132-S1 | 24.9 | 2.3 | 2.2 | 8.7 | F | IP54 | S1 |
| LV2-018-[]1-132-S1 | 49.3 | 2.3 | 2.2 | 7.8 | F | IP54 | S1 |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle.

Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

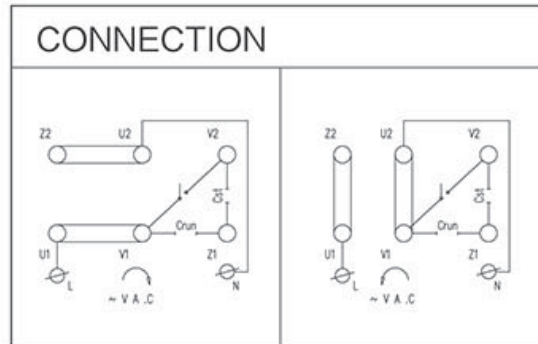
RAL9005

RAL5010

ZINC SILVER

CUSTOMERS CAN PROVIDE COLOR CARDS

HYDRAULIC MOTOR - SINGLE PHASE



AC MOTORS

| SERIES CODE | RATED OUTPUT | | POLES | FRAME SIZE | VOLTAGE | FREQUENCY | SPEED | AMPS | EFFICIENCY | POWER FACTOR |
|-------------------|-----------------|-------------------|---------|------------|---------|-----------|---------|------|------------|--------------|
| | (KW) | (HP) | | | (V) | (HZ) | (r/min) | (A) | (%) | COS |
| LB-006-[]3-90-S1 | 1.1 | 1.5 | 4 | 90D | 220 | 50 | 1400 | 7.3 | 72 | 0.95 |
| LB-008-[]3-90-S1 | 1.5 | 2 | 4 | 90D | 220 | 50 | 1400 | 9.7 | 74 | 0.95 |
| LB-009-[]3-90-S1 | 2.2 | 3 | 4 | 90D | 220 | 50 | 2800 | 13.7 | 77 | 0.95 |
| LB-010-[]3-90-S1 | 2.2 | 3 | 4 | 90D | 220 | 50 | 1400 | 14.1 | 75 | 0.95 |
| SERIES CODE | START CAPACITOR | RUNNING CAPACITOR | TMAX/TN | 1ST/1N | INS | IP | DUTY | | | |
| | (u f/v) | (u f/v) | | | | | | | | |
| LB-006-[]3-90-S1 | 200/250 | 35/450 | 1.6 | 7.7 | F | IP54 | S1 | | | |
| LB-008-[]3-90-S1 | 200/250 | 40/450 | 1.6 | 6.8 | F | IP54 | S1 | | | |
| LB-009-[]3-90-S1 | 150/250 | 35/450 | 1.6 | 9 | F | IP54 | S1 | | | |
| LB-010-[]3-90-S1 | 400/250 | 40/450 | 1.6 | 6.9 | F | IP54 | S1 | | | |

The dimensions of the product are shown in the outline drawing and can be queried according to the frame number and duty cycle.

Fill in the installation and connection code in the product number and special requirements can be customized.

FRAME SURFACE REQUIREMENTS

RAL9005

RAL5010

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