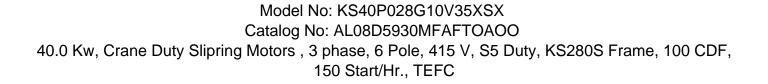
PRODUCT INFORMATION PACKET





Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



marathon®

Motors

ir kegaikexn

Product Information Packet: Model No: KS40P028G10V35XSX, Catalog No:AL08D5930MFAFTOAOO 40.0 Kw, Crane Duty Slipring Motors, 3 phase, 6 Pole, 415 V, S5 Duty, KS280S Frame, 100 CDF, 150 Start/Hr., TEFC

marathon®

Nameplate Specifications

| Output HP | 53.60 Hp | Output KW | 40.0 kW |
|-------------------------------|---------------|----------------------------|-----------------------------|
| Frequency | 50 Hz | Voltage | 415 V |
| Current | 88.0 A | Speed | 986 rpm |
| Phase | 3 | Duty | S5 |
| Frame | KS280S | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Ambient Temperature | 45 ℃ |
| Drive End Bearing Size | 6317 C3 | Opp Drive End Bearing Size | 6317 C3 |
| UL | No | CSA | No |
| CE | No | IP Code | 55 |
| CDF | 100 % | Start/Hr | 150 |
| RA | 105 A | RV | 230 V |
| Insulation class Stator/Rotor | F/F | Temp. Rise Stator/Rotor | 75/75 K |
| | | | |
| Stator Connection | Delta | Rotor Connection | Star |

Technical Specifications

| Electrical Type | Slipring | Starting Method | Rotor resistance starter |
|-----------------------|-----------------|-----------------------|--------------------------|
| Rotation | Bi-Directional | Mounting | ІМВЗ |
| Motor Orientation | Horizontal | Drive End Bearing | Antifriction |
| Opp Drive End Bearing | Antifriction | Frame Material | Cast Iron/Fabricated |
| Shaft Type | Single Cylinder | Overall Length | 1300.00 mm |
| Frame Length | 1300.00 mm | Shaft Diameter | 75.000 mm |
| Shaft Extension | 140 mm | Assembly/Box Mounting | Тор |
| Rotor GD2 | 8.8 kg·m² | Pull Out Torque | 4.3 |
| Connection Drawing | DP2917 | Outline Drawing | cm5906 |

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:03/06/2023



| | | | | | NOTE: 1.0 ALL DIMENSIONS ARE IN mm EXCEPT OTHERWISE SPECIFIED. 2.0 FOR TOLERANCES OF DEMENSIONS(NOT MENTIONED) REFER TO IS:2102. | | narati al Beloit Co | -tric | Paha | | Taratala Road. NDIA | |
|----------|----------|---|---------|--------|--|-------|------------------------|-------|---------|------------|------------------------|----------------|
| | | | | | 3.0 DIMENSIONS MARKED * ARE MAXIMUM VALUES. | | | | ENSIC | ON DRAWIN | NG FOR KS280S | <u>& M</u> |
| | | | | | | TITLE | KS315S | & M M | OTOR | (CYLINDR | ICAL & TAPER SH | <u> HAFT</u>) |
| 02 | 28.11.11 | IN THE FIGURE 'L1' AND 'LC1' DIM. INCORPORATED | | | | DRAWN | S.B | 18 | 3.12.07 | PROJECTION | DRAWING NO. | |
| | 06.06.11 | EARTHING TERMINAL INCORPORATED | | | | | KAUSIK | | | | | |
| REVISION | DATE | DETAIL OF REVISION | DONE BY | APPRVD | | 4 of | | SIGN | DATE | N.T.S | CM5906 | 02 |



| Model No. KS40P028G10V35XSX | Part No. | AL08D5930MFAFTOAOO |
|-----------------------------|----------|--------------------|
|-----------------------------|----------|--------------------|

| Р | Р | n | ΡΟΤ | Т | U | f | Ι | RA | RV | CDF | Duty | No. of Starts/Hr. | Frame |
|------|------|-------|------|------|-----|------|-----|-----|-----|-----|------|-------------------|--------|
| [kW] | [hp] | [RPM] | XFLT | [Nm] | (V) | [Hz] | [A] | | | % | | | Frame |
| 40 | 53.6 | 986 | 4.3 | 1701 | 415 | 50 | 88 | 105 | 230 | 100 | S5 | 150 | KS280S |

| Motor type | Slipring | Degree of protection | IP-55 | |
|----------------------------------|-----------|---|--------------------------|------------------|
| Enclosure | TEFC | Motor weight - approx. | 980 | kg |
| Frame Material | - | Gross wight- approx. | | kg |
| Mounting type | IMB3 | Motor GD2 | 8.8 | kgm ² |
| Cooling method | IC411 | Vibration level | As per IS:12075 | mm/s |
| Voltage variation | +/-10% | Noise level (1meter distance from motor) | As per IS:12065 | dB(A) |
| Frequency variation | +/-5% | Starting method | Rotor resistance starter | |
| Combined variation | 10% | Coupling | Direct / Gearbox | |
| Insulation class | F/F | Direction of rotation | Bi-directional | |
| Ambient temperature | 45 | Paint shade | RAL5011 | |
| Temperature rise (by resistance) | 75/75 | Type of Terminal Box | Standard | |
| Altitude above sea level | Upto 1000 | Terminal box position | Тор | |
| Efficiency | | Max. Cable size | Refer to TBA drg. | |
| Power Factor | | Bearing type | Antifriction | |
| Stator Connection | Delta | DE Bearing | 6317 C3 | |
| Rotor Connection | Star | NDE Bearing | 6317 C3 | |
| | | Type of Lubrication | Grease | |
| | | | | |

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

REGAL