

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: KS13P018B60U33XSX

Catalog No: AL08D3530MFAFTOAOO

13.0 Kw, Crane Duty Slipring Motors , 3 phase, 6 Pole, 415 V, S3 Duty, KS180L2 Frame, 60 CDF,
6 Start/Hr., TEFC



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Nameplate Specifications

| | | | |
|-------------------------------|----------------------|----------------------------|------------------------------------|
| Output HP | 17.50 Hp | Output KW | 13.0 kW |
| Frequency | 50 Hz | Voltage | 415 V |
| Current | 29.8 A | Speed | 970 rpm |
| Phase | 3 | Duty | S3 |
| Frame | KS180L2 | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Ambient Temperature | 45 °C |
| Drive End Bearing Size | 6310 ZZ | Opp Drive End Bearing Size | 6310 ZZ |
| UL | No | CSA | No |
| CE | No | IP Code | 55 |
| CDF | 60 % | Start/Hr | 6 |
| RA | 34 A | RV | 230 V |
| Insulation class Stator/Rotor | F/F | Temp. Rise Stator/Rotor | 75/75 K |
| Stator Connection | Delta | Rotor Connection | Star |
| Efficiency Class | Standard | | |

Technical Specifications

| | | | |
|-----------------------|-----------------------------|-----------------------|---------------------------------|
| Electrical Type | Slipring | Starting Method | Rotor resistance starter |
| Rotation | Bi-Directional | Mounting | IMB3 |
| Motor Orientation | Horizontal | Drive End Bearing | Antifriction |
| Opp Drive End Bearing | Antifriction | Frame Material | Cast Iron/Fabricated |
| Shaft Type | Single Cylinder | Overall Length | 875.00 mm |
| Frame Length | 875.00 mm | Shaft Diameter | 48.000 mm |
| Shaft Extension | 110 mm | Assembly/Box Mounting | Top |
| Rotor GD2 | 1.3 kg-m² | Pull Out Torque | 3.9 |
| Outline Drawing | CM1383 | Connection Drawing | DP2187 |

Model No. KS13P018B60U33XSX**Part No.** AL08D3530MFAFTOAOO

| P | P | n | POT | T | U | f | I | RA | RV | CDF | Duty | No. of Starts/Hr. | Frame |
|------|------|-------|------|------|-----|------|------|----|-----|-----|------|-------------------|---------|
| [kW] | [hp] | [RPM] | XFLT | [Nm] | (V) | [Hz] | [A] | | | % | | | |
| 13 | 17.5 | 970 | 3.9 | 540 | 415 | 50 | 29.8 | 34 | 230 | 60 | S3 | 6 | KS180L2 |

| | | | |
|----------------------------------|-----------|---|--------------------------|
| Motor type | Slipring | Degree of protection | IP-55 |
| Enclosure | TEFC | Motor weight - approx. | 258 kg |
| Frame Material | - | Gross weight- approx. | kg |
| Mounting type | IMB3 | Motor GD2 | 1.3 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 | Top |
| Efficiency | | Max. Cable size | Refer to TBA drg. |
| Power Factor | | Bearing type | Antifriction |
| Stator Connection | Delta | DE Bearing | 6310 ZZ |
| Rotor Connection | Star | NDE Bearing | 6310 ZZ |
| | | 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.