

MK Diamond Products, Inc.
 1315 Storm Parkway
 Torrance, CA 90509-2803

SPECIFICATION SHEET			Date 02/17/22
MK Part Number 161666	MK Description MTR, 3/4HP 1725RPM, 100012.00	Revision -	
Manufacturer/Supplier P/N 100012.00	Manufacturer/Supplier Description Leeson 0.75 HP General Purpose Motor, 1 phase, 1800 RPM, 115/208-230 V, 56 Frame, ODP - 100012.00		
Manufacturer Information Leeson	Supplier Information Cal Industrial	Alternate Manufacturer NONE	
Specifications:			
			
General Specifications			
UPC:	691720105665	Weight:	29.00 LB
Packaged Length:	13.75 IN	Packaged Width:	7.88 IN
Packaged Height:	8.75 IN		
Rev	Description	Date	Approved
-	Created Spec Sheet	02/17/22	SMH

Nameplate Specifications

Output HP:	0.75 Hp	Output KW:	0.56 kW
Frequency:	60 Hz	Voltage:	115/208-230 V
Current:	10.8/5.3-5.4 A	Speed:	1725 rpm
Service Factor:	1.25	Phase:	1
Efficiency:	70 %	Power Factor:	64
Duty:	Continuous	Insulation Class:	B
Design Code:	N	KVA Code:	K
Frame:	S56	Enclosure:	Drip Proof
Thermal Protection:	Automatic	Ambient Temperature:	40 °C
Drive End Bearing Size:	6203	Opp Drive End Bearing Size:	6203
UL:	Recognized	CSA:	Y
CE:	N	IP Code:	22
Number of Speeds:	1		

Technical Specifications

Electrical Type:	Capacitor Start Induction Run	Starting Method:	Across The Line
Poles:	4	Rotation:	Selective Counterclockwise
Resistance Main:	2.82 Ohms	Mounting:	Resilient Base
Motor Orientation:	Horizontal	Drive End Bearing:	Ball
Opp Drive End Bearing:	Ball	Frame Material:	Rolled Steel
Shaft Type:	NEMA 56	Overall Length:	11.81 in
Frame Length:	7.00 in	Shaft Diameter:	0.625 in
Shaft Extension:	1.88 in	Assembly/Box Mounting:	F1 ONLY

Speed Characteristics

Curvepoint	Current (Amps)	Current (%)	Torque (OZ-FT)	Torque (%)	Speed (RPM)	Rated Output (KW)	Power Factor (%)	Rated Output (Hp)
Locked-Rotor	27.30	0.0	114.00	317.0	0	0.00	0.0	0.75
Break-Down	0.00		83.60	232.0	0			0.75
Pull-Up	0.00		82.40	229.0	0			0.75

Load Characteristics

% of Rated Load	0 %	25 %	50 %	75 %	100 %	115 %	125 %	150 %
Current (Amps)	4.15	4.16	4.42	4.84	5.43	6.26	6.17	7.10
Rated Output (KW)	0.16	0.30	0.46	0.63	0.81	0.95	1.03	1.22
Efficiency (%)	0.0	47.2	61.3	67.3	68.8	67.9	67.1	67.1
Power Factor (%)	16.5	31.8	45.3	56.4	64.7	70.0	72.4	74.5
Speed (RPM)	1,797	1,785	1,773	1,760	1,745	1,725	1,727	1,705
Temp. Rise @ FL	0.0	0.0	0.0	0.0	62.2	0.0	0.0	0.0
Torque (OZ-FT)	0.00	9.00	18.00	27.00	36.00	0.00	45.00	54.00