



Model MSPH71A2C
MFG PN: EMU712D0301

Model **MSPH71A2C**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
MSPH71A2C	0.5	3480	115/230	1	60	71	B3	TEFC

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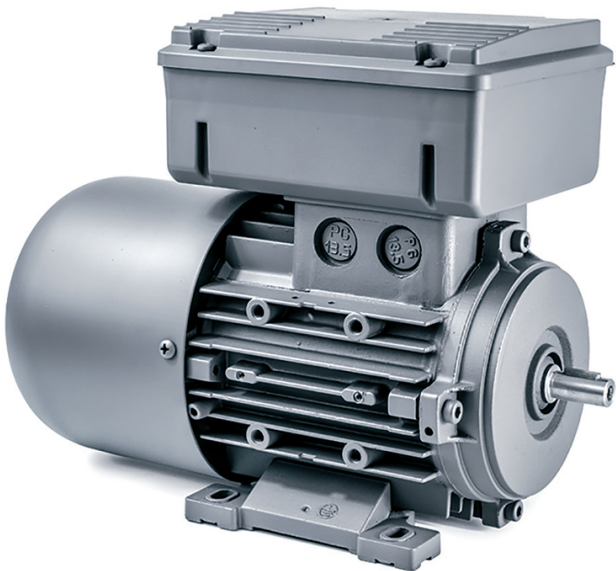
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ELECTRICAL DATA		
Rated Motor Output Power	0.5	HP
	0.37	kW
Rated Motor Speed	3480	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	115/230	V/60Hz
	-	V/50Hz
Rated Motor Current	6.4/3.2	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	-	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1	@ 60Hz
	-	@ 50Hz
KVA Code	-	60Hz
	-	50Hz
Nominal Efficiency	52.9	% @ 60Hz
Nominal Power Factor	0.95	cosΦ @ 60Hz
Leads (Qty, Size)	-	-
Connection	-	-
Coil Resistance	-	Ω
Start Capacitor	-	µF/V
Run Capacitor	-	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	-	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	71	
Enclosure	TEFC	
Mounting	B3	
Approximate Weight (lbs.)	16.5 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
Shaft Material	1045	
NEMA Design	-	
Degree of Protection (IP)	54	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	NO	
Duty	Cont. / S1	
Conduit Box Location	F0	
Feet Removable / Double Drilled	YES	NO
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6202 2RS CM	
Bearing ODE Side	6202 2RS CM	
Grease Type	Mobil Polyrex EM	
Compensation Ring (wavy washer)	DE	
Moment of Inertia (lb-ft²)	-	
Sound Pressure @ 3 FT dBA	-	
SITE CONDITIONS		
Ambient Temperature (°C)	40	
Meters Above Sea Level (MASL)	1000	
HAZARDOUS LOCATIONS		
CSA Certified	-	
Temperature Code	-	-

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NAMEPLATE DATA	60Hz	50Hz
Horse Power	0.5/0.37	0.5/0.37
RPM	3480	-
Voltage	115/230	-
Full Load Amps	6.4/3.2	-
Service Factor	1	-
KVA Code	-	-
Full Load Amps (208V)	-	-
Nominal Efficiency	52.9	-
Nominal Power Factor	0.95	-
Design	-	
Frame	71	
Enclosure Type	TEFC	
IP Rating	54	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6202 2RS CM	
Opposite Drive End Bearing	6202 2RS CM	
Weight (lbs)	16.5	

NAMEPLATE LAYOUT

CAPACITOR DATA	µF	VOLTAGE
Start Capacitor	-	-
Run Capacitor	-	-

*For max speed please contact Techtop Canada

HAZARDOUS LOCATIONS	-
Class / Division	-
Groups	-

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PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	-	-	Start Configuration	DOL
Pull-Up Torque	-	-	Starting Current (A)	-
Breakdown Torque	-	-	No-Load Current (A)	-
Full Load Torque	0.8	-	No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1
Line Amperes (A)	-	-	-	-	-	-
Efficiency (%)	-	-	-	-	-	-
Speed (r/min)	-	-	-	-	-	-
Power Factor (cosΦ)	-	-	-	-	-	-
Input Power (kW)	-	-	-	-	-	-

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DRAWING NUMBER:	-	ISSUED DATE	19/08/26
CONNECTION:	-	METRIC SINGLE PHASE MOTORS	
NUMBER OF LEADS:	-		
THERMAL PROTECTION:	-		



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TEFC 71

DRAWING NUMBER:	-	ISSUED DATE	19/08/26
DIMENSIONS:	mm		
MOUNTING:	B3	METRIC SINGLE PHASE MOTORS	
CASING MATERIAL:	Cast Aluminum		