

IEC | **Model MSPH63A4C-01**
MFG PN: TL632-4

Model **MSPH63A4C-01**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
MSPH63A4C-01	0.25	1740	115/208-230	1	60	63	B3	TEFC

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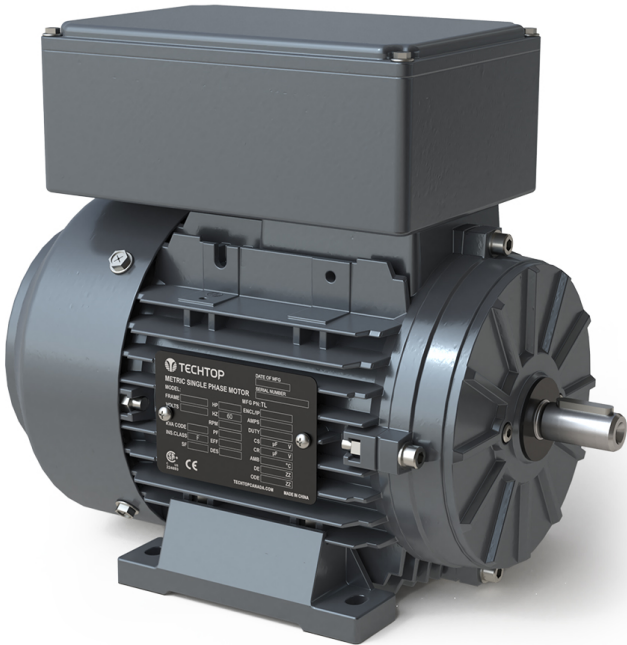
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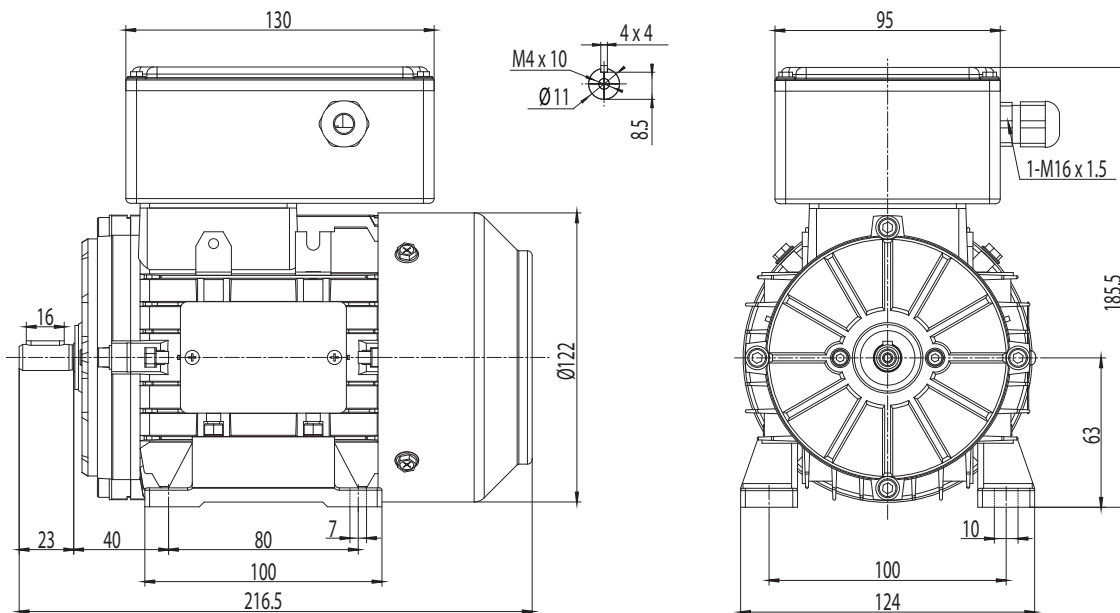
ELECTRICAL DATA		
Rated Motor Output Power	0.25	HP
	0.18	kW
Rated Motor Speed	1740	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	115/208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	2.62/1.45-1.31	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	7.3	A (I _n) @ 60Hz
FI Current @ 208V	1.45	A (I _n) @ 60Hz
Service Factor	1.35	@ 60Hz
	-	@ 50Hz
KVA Code	J	60Hz
	-	50Hz
Nominal Efficiency	68	% @ 60Hz
Nominal Power Factor	0.88	cosΦ @ 60Hz
Leads (Qty, Size)	6	-
Connection	-	-
Coil Resistance	12.6	Ω
Start Capacitor	100µF/165V	µF/V
Run Capacitor	25µF/250V	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	27.4	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	63	
Enclosure	TEFC	
Mounting	B3	
Approximate Weight (lbs.)	13.3 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
Shaft Material	1045	
NEMA Design	N	
Degree of Protection (IP)	55	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	YES	
Duty	Cont. / S1	
Conduit Box Location	F0	
Feet Removable / Double Drilled	YES	NO
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6201 ZZ	
Bearing ODE Side	6201 ZZ	
Grease Type	Arcanol MULTI2	
Compensation Ring (wavy washer)	NDE	
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	-	-

Questions? Call 1.888.286.1820



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NAMEPLATE DATA	60Hz	50Hz
Horse Power	0.25/0.18	-/-
RPM	1740	-
Voltage	115/208-230	-
Full Load Amps	2.62/1.45-1.31	-
Service Factor	1.35	-
KVA Code	J	-
Full Load Amps (208V)	1.45	-
Nominal Efficiency	68	-
Nominal Power Factor	0.88	-
Design	N	
Frame	63	
Enclosure Type	TEFC	
IP Rating	55	
Duty	Cont. / S1	
Insulation Class	F	
Ambient Rating	40	
Drive End Bearing	6201 ZZ	
Opposite Drive End Bearing	6201 ZZ	
Weight (lbs)	13.3	

NAMEPLATE LAYOUT

TECHTOP DATE OF MFG
METRIC SINGLE PHASE MOTOR SERIAL NUMBER
 MODEL: MFG PN: TL
 FRAME HP/KW ENCL/IP
 VOLTS HZ 60 AMPS
 RPM DUTY
 KVA CODE PF CS μ F V
 INS.CLASS EFF CR μ F V
 SF DES AMB °C
 DE ZZ
 ODE ZZ
TECHTOPCANADA.COM **MADE IN CHINA**

CAPACITOR DATA

	μ F	VOLTAGE
Start Capacitor	100	165
Run Capacitor	25	250

*For max speed please contact Techtop Canada

HAZARDOUS LOCATIONS

Class / Division	-
Groups	-

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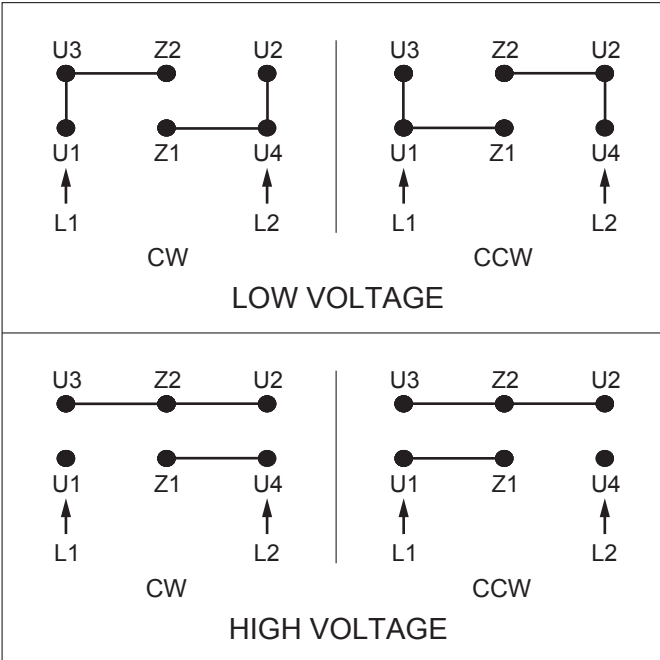


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PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	0.8	222	Start Configuration	DOL
Pull-Up Torque	1.6	210	Starting Current (A)	7.3
Breakdown Torque	2.2	292	No-Load Current (A)	0.6974
Full Load Torque	1.7	100	No-Load Power Factor	-

% OF RATED LOAD	25	50	75	100	125	S.F. 1.35
Line Amperes (A)	0.8	0.9	1.0	1.3	1.5	-
Efficiency (%)	0.9	1.6	2.5	3.4	4.7	-
Speed (r/min)	1784.1	1770.4	1755.6	1738.0	1716.0	-
Power Factor (cosΦ)	0.75	0.85	0.89	0.90	0.92	-
Input Power (kW)	0.1	0.2	0.2	0.3	0.3	-

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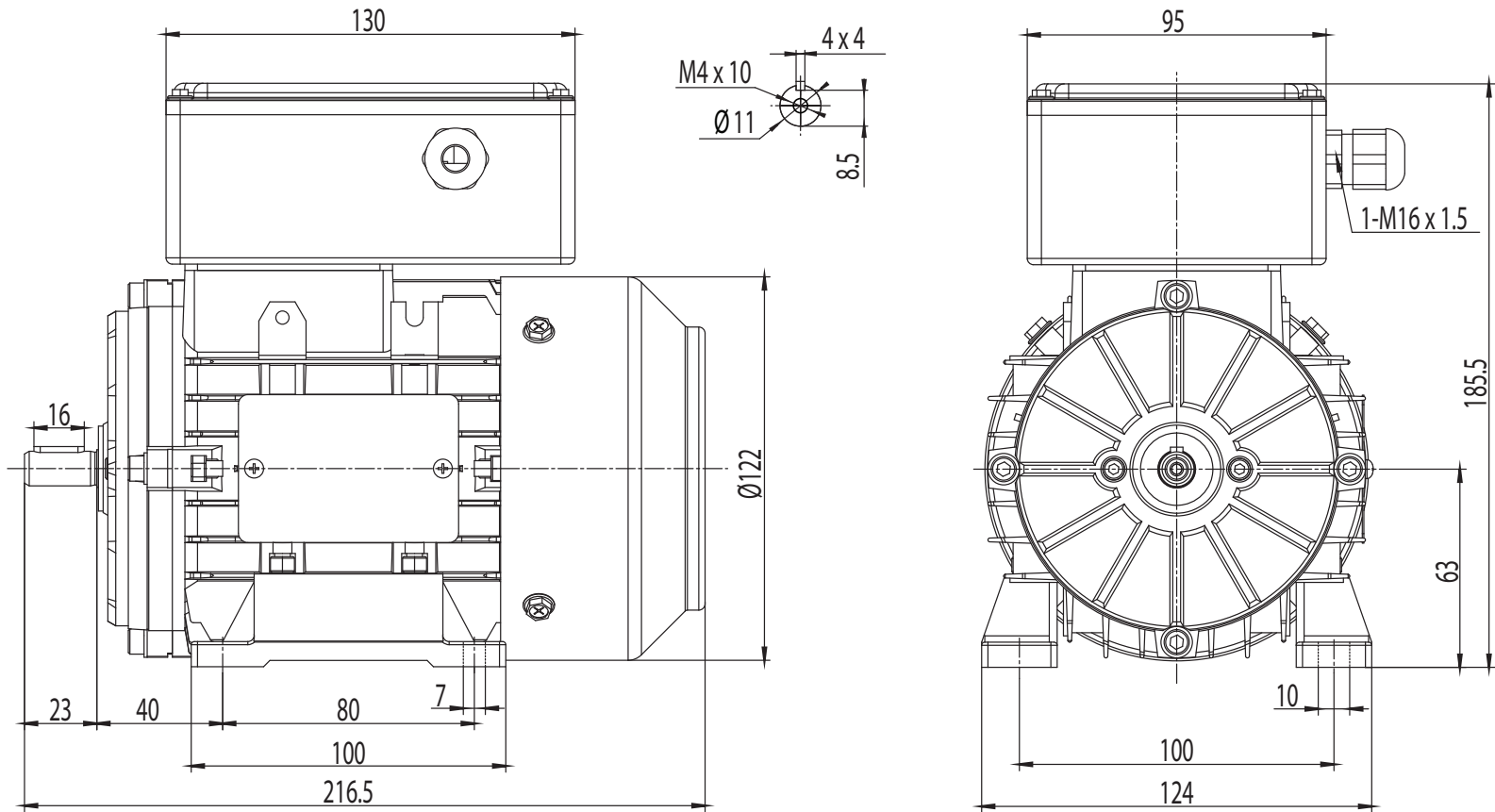


1. Rotation facing DE for connections shown
2. Motors pre-connected for CW rotation
3. Dual voltage motors pre-connected for 'High Voltage'



IEC 10 High Torque Dual Voltage

DRAWING NUMBER:	IEC-1-C	ISSUED DATE	19/08/26
CONNECTION:	-	METRIC SINGLE PHASE MOTORS	
NUMBER OF LEADS:	6		
THERMAL PROTECTION:	-		



TEFC 63

DRAWING NUMBER:

BL1-AL-TF-63B3

DIMENSIONS:

mm

MOUNTING:

B3

CASING MATERIAL:

Cast Aluminum

ISSUED DATE

19/08/26

METRIC SINGLE PHASE MOTORS