

NEMA

Model BMS.754C-C
MFG PN: TLFB563/4Z4L

Model **BMS.754C-C**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
BMS.754C-C	0.75	1745	115/208-230	1	60	56C	Rigid/C-Flange	TEFC

Toronto

TOLL FREE 1.888.286.1820
PHONE 905.829.1001
EMAIL info@techtopcanada.com

Montreal

TOLL FREE 1.844.354.5111
PHONE 514.354.1002
EMAIL infoQC@techtopcanada.com

Moncton

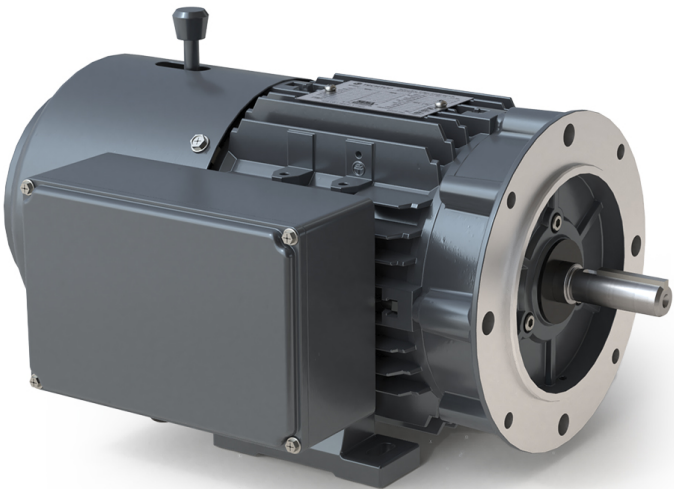
PHONE 506.386.5794
EMAIL infoNB@techtopcanada.com

Winnipeg

PHONE 204.633.2779
EMAIL infoMB@techtopcanada.com

Vancouver

PHONE 604.525.1551
EMAIL infoBC@techtopcanada.com



Index

Motor General Data Sheet	P 2
Nameplate Information	P 3
Technical Performance Data	P 4
Motor General Wiring Diagram	P 5
Motor General Outline Drawing	P 6



Model BMS.754C-C
MFG PN: TLFB563/4Z4L

ELECTRICAL DATA		
Rated Motor Output Power	0.75	HP
	-	kW
Rated Motor Speed	1745	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	115/208-230	V/60Hz
	-	V/50Hz
Rated Motor Current	6.77/3.74-3.38	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	1	Ø
Locked Rotor Current @ High Voltage	23.37	A (I _n) @ 60Hz
FI Current @ 208V	3.74	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	-	@ 50Hz
KVA Code	J	60Hz
	-	50Hz
Nominal Efficiency	79	% @ 60Hz
Nominal Power Factor	0.9	cosΦ @ 60Hz
Leads (Qty, Size)	6	-
Connection	-	-
Coil Resistance	3.79	Ω
Start Capacitor	250µF/165V	µF/V
Run Capacitor	50µF/250V	µF/V
VFD DUTY (S.F. 1.0)	RATIO	Hz
Variable Torque	-	-
Constant Torque	-	-
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	34.4	°C @ 60Hz
	-	°C @ 50Hz

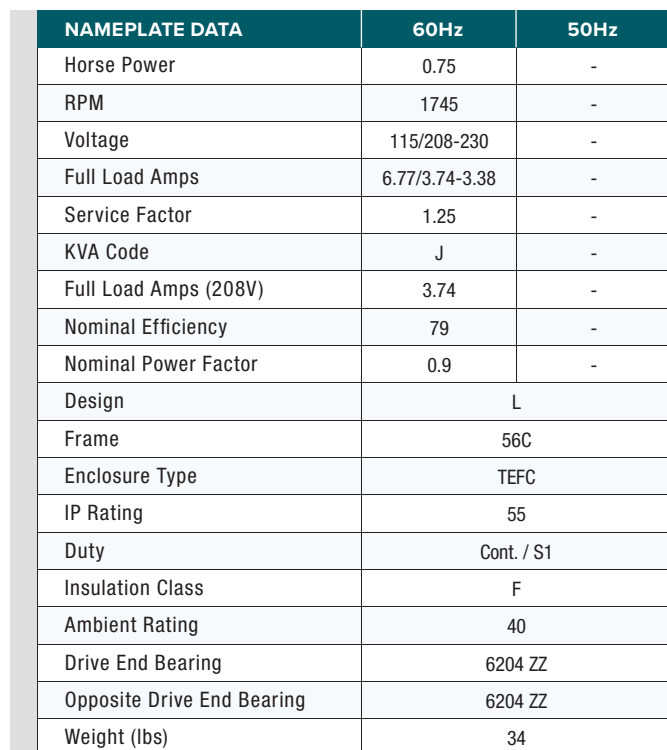
BRAKE DATA	VDC	VAC
Brake Volts / Rectifier Volts	103	115
Brake Model	REB04-08B-103-008	
Rectifier Model	RZL141-170H	

GENERAL DATA		
Frame Size	56C	
Enclosure	TEFC	
Mounting	Rigid/C-Flange	
Approximate Weight (lbs.)	34 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
Shaft Material	1045	
NEMA Design	L	
Degree of Protection (IP)	55	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	YES	
Duty	Cont. / S1	
Conduit Box Location	F1	
Feet Removable / Double Drilled	YES	NO
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6204 ZZ	
Bearing ODE Side	6204 ZZ	
Grease Type	ASE-L	
Compensation Ring (wavy washer)	NDE	
Moment of Inertia (lb-ft²)	-	
Sound Pressure @ 3 FT dBA	59	
SITE CONDITIONS		
Ambient Temperature (°C)	40	
Meters Above Sea Level (MASL)	1000	
HAZARDOUS LOCATIONS		
CSA Certified	-	
Temperature Code	-	-

BRAKE TORQUE	
Rated Torque (ft.lb)	8
Rated Torque (Nm)	11

Questions? Call 1.888.286.1820

Model BMS.754C-C
MFG PN: TLFB563/4Z4L



TECHTOP		DATE OF MFG 	
SINGLE PHASE BRAKE MOTOR		SERIAL NUMBER 	
MODEL: BMS		MFG PN: TLFB	
FRAME	HP	ENCL/IP	
VOLTS	HZ 60	AMPS	
	RPM	DUTY	
KVA CODE	PF	CS μ F V	
INS.CLASS F	EFF	CR μ F V	
SF	DES	AMB °C	
BRK VOLTS	VDC/VAC	DE ZZ	
BRK TORQUE	NM/FT-LBS	ODE ZZ	
TECHTOPCANADA.COM		C IN US 224693	
		MADE IN CHINA	

*For max speed please contact Techtop Canada

DC BRAKE DATA		
Brake Torque (Nm / ft.lb)	11	8
Brake Volts (VDC / VAC)	103	115

3 of 6

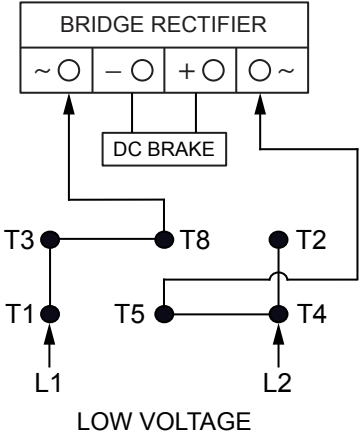
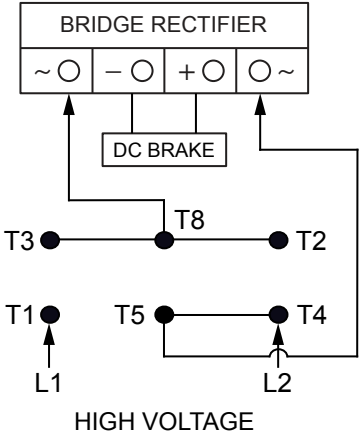


Model BMS.754C-C
MFG PN: TLFB563/4Z4L

PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz			TYPICAL PERFORMANCE - NOT GUARANTEED VALUES	
TORQUE VALUES	TORQUE (lb-ft)	TORQUE (% FULL LOAD)	PERFORMANCE VALUES	
Locked Rotor Torque	-	305	Start Configuration	DOL
Pull-Up Torque	-	214	Starting Current (A)	23.37
Breakdown Torque	-	237	No-Load Current (A)	1.8
Full Load Torque	6.7	100	No-Load Power Factor	-

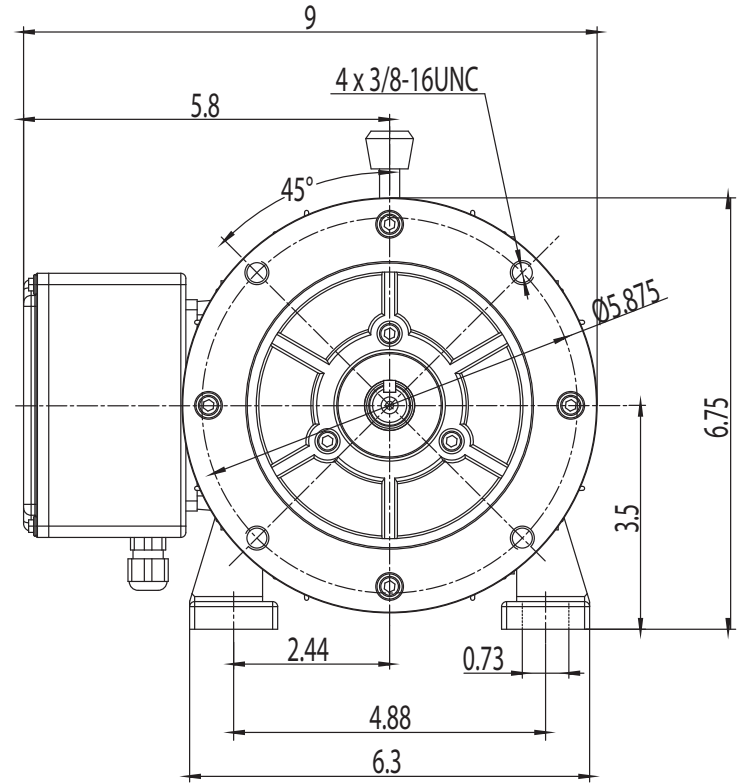
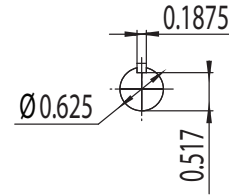
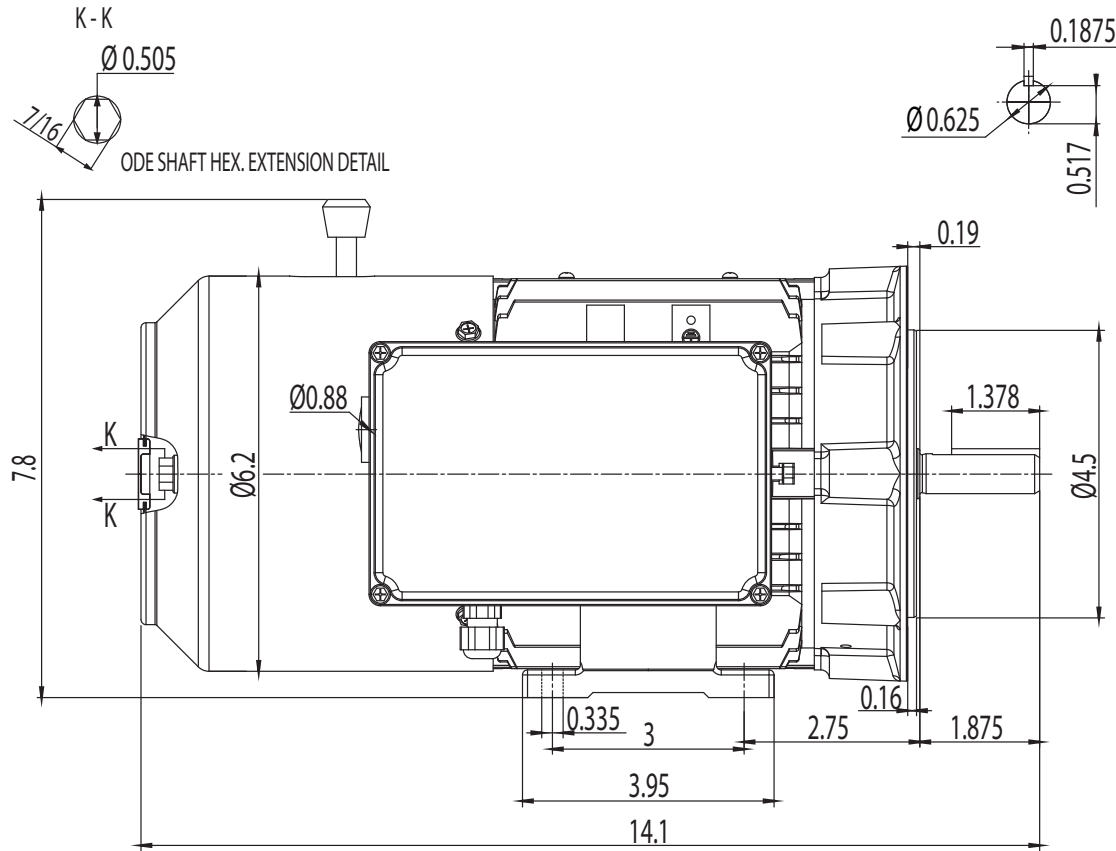
% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	-	-	-	3.5	4.2	-
Efficiency (%)	-	-	-	76.7	78.1	-
Speed (r/min)	-	-	-	1747	1729	-
Power Factor (cosΦ)	-	-	-	0.9	0.92	-
Input Power (kW)	-	-	-	0.72	0.88	-

Questions? Call 1.888.286.1820



NEMA 1Ø 6-Lead Dual Voltage

DRAWING NUMBER:	NEMA-BL1-56-140T-BRK	ISSUED DATE	11/07/25
CONNECTION:	-	SINGLE PHASE BRAKE MOTORS	
NUMBER OF LEADS:	6		
THERMAL PROTECTION:	-		



TEFC 56C

DRAWING NUMBER:

BL1-AL-TF-56C-BRK

DIMENSIONS:

Inches

MOUNTING:

Rigid/C-Flange

CASING MATERIAL:

Cast Aluminum

ISSUED DATE

11/07/25

SINGLE PHASE BRAKE MOTORS