

General Purpose Motors

Model No: 254TTDBD6001

Catalog No: GT0061

General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 254T Frame,
DP

Product Information Packet: Model No: 254TTDBD6001, Catalog No: GT0061 General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 254T Frame, DP

Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 190/380 V
Speed	3552 & 2958 r/min	Synchronous RPM	3600 & 3000 r/min
Service Factor	1.15 & 1.15	Frame	254T
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	91 & 91.2 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	48/24 & 45/22.5 A
Power Factor	85.5	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	F	Drive End Bearing Size	6209
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	Y	CE	Y
IP Code	22	Number of Speeds	1

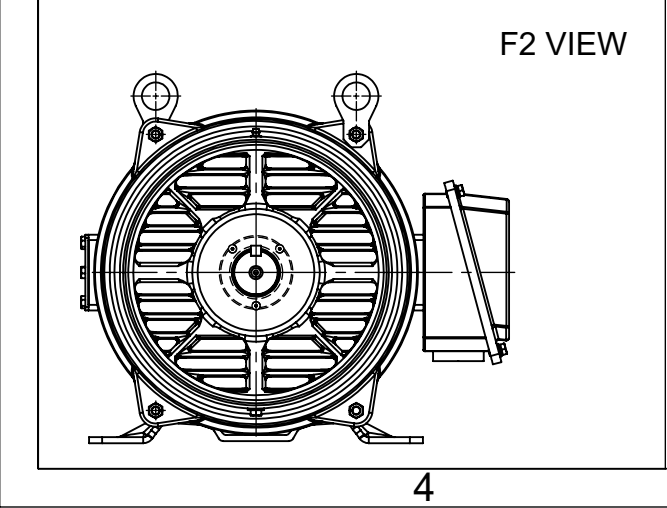
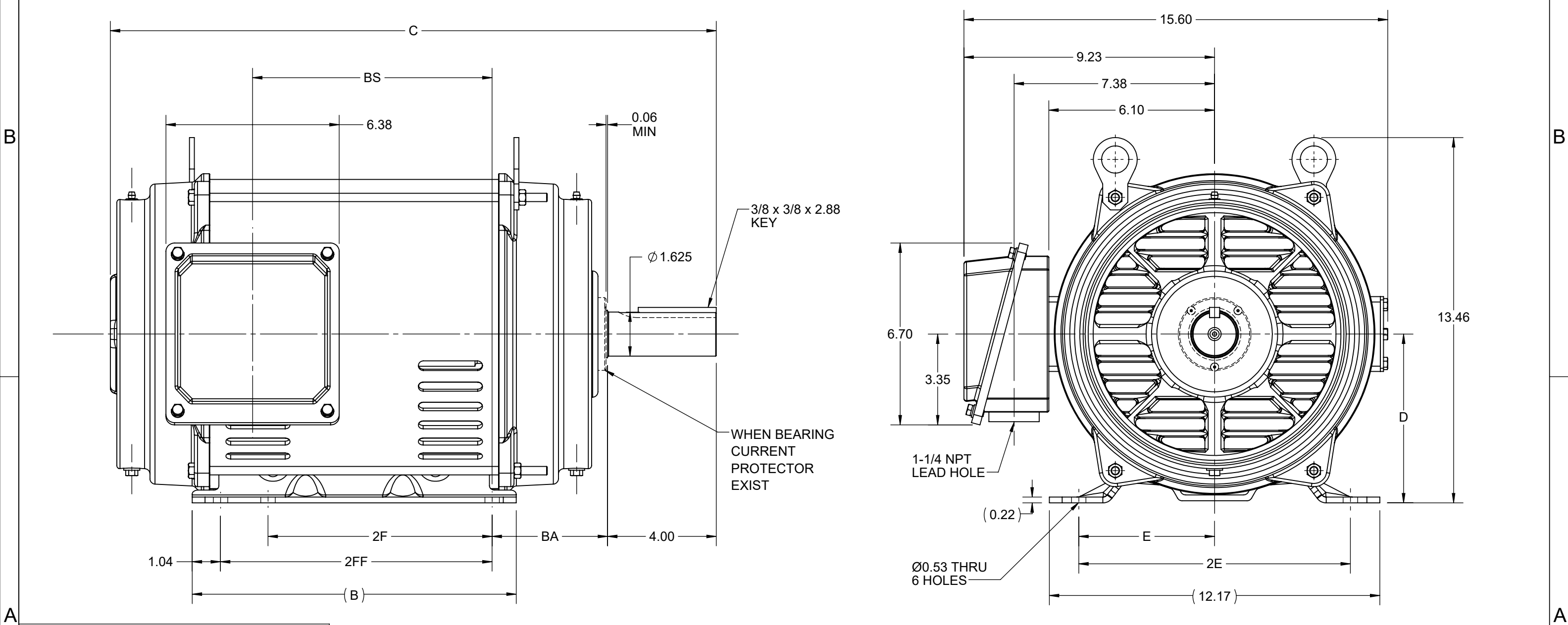
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.64 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	22.64 in
Frame Length	10.62 in	Shaft Diameter	1.625 in
Shaft Extension	4 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 2:1/Variable 10:1		

Drawings

Connection Drawing	EE7358	Outline Drawing	SS620685-100
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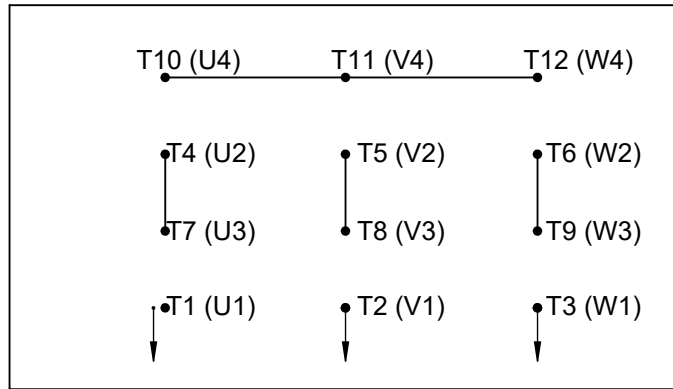
4				3				2			1
DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	11.93	22.31	6.25	5.00	10.00	8.25	10.00	4.25	8.82	F1 OR F2	254T
200		23.88							10.45		256T



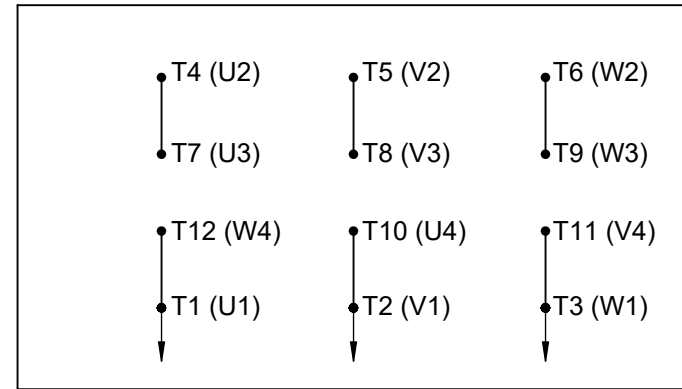
DRAWING REVISION E		REVISION BY MN		REV DATE/© DATE 09/04/2025		TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30" .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200 INCH mm 5.1 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				DRAWN BY XZ		marathon™					
REQUEST NUMBER CR-0023941		APPROVED BY VS		DATE 09/04/2025						DATE 25/02/2016							
REQUEST NUMBER DESCRIPTION UPDATED DRAWING VIEW								APPROVED BY		DESCRIPTION OUTLINE 254/256T FR NEMA ODP RS							
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								THIRD ANGLE PROJECTION				SIZE B		DRAWING NUMBER SS620685		SHEET 1 OF 1	
3						2						1					

HIGH VOLTAGE

WYE START

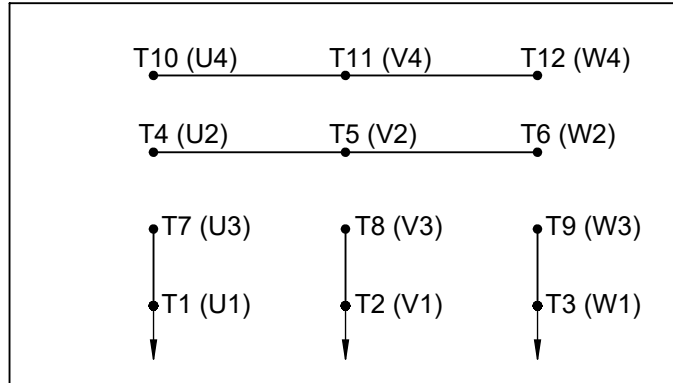


DELTA RUN

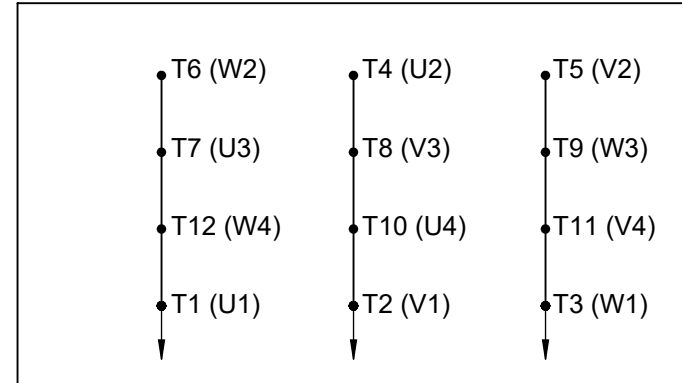


LOW VOLTAGE

WYE START



DELTA RUN



4/2 CKTY △

DRAWING REVISION E	REVISION BY SB	REV DATE/© DATE 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY BLR	marathon™			
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025		DATE 03-09-1998				
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED				APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 12 LEAD - DUAL VOLT. - WYE START - DELTA RUN			
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				REFERENCE	MATERIAL		PROCESS/FINISH	
							THIRD ANGLE PROJECTION	

