

Severe Duty Motors

Model No: 405THFCD9042

Catalog No: W100-P

Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405TCV Frame, TEFC

Product Information Packet: Model No: 405THFCD9042, Catalog No: W100-P Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405TCV Frame, TEFC

Nameplate Specifications

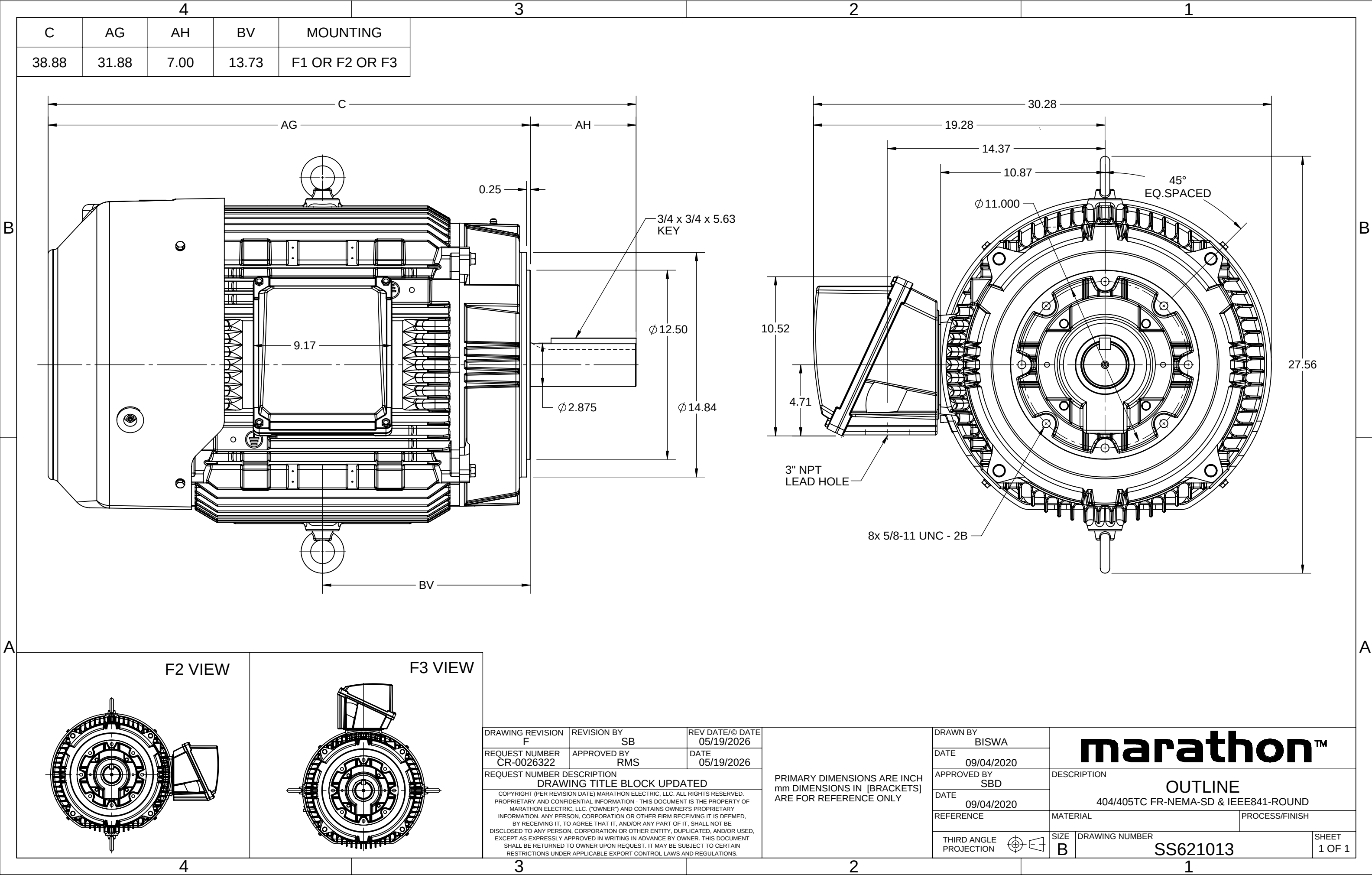
Phase	3	Output HP	100 Hp
Output KW	75.0 kW	Voltage	460 V
Speed	1785 r/min	Synchronous RPM	1800 r/min
Service Factor	1.15	Frame	405TCV
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	95.4 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	113.0 A
Power Factor	87	Duty	Continuous
Insulation Class	H	Design Code	B
KVA Code	G	Drive End Bearing Size	6316
Opp Drive End Bearing Size	6314	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

Technical Specifications

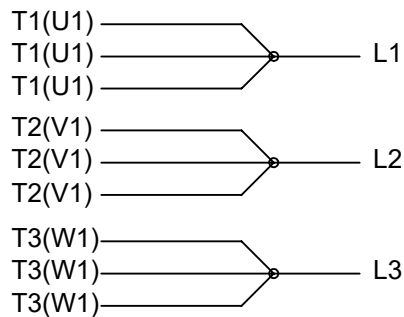
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0555 O	Mounting	Round
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 2:1/Variable 10:1		

Drawings

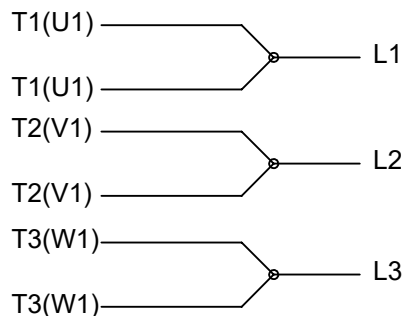
Connection Drawing	EE7300U	Outline Drawing	SS621013
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IF MOTOR HAS 9 LEADS

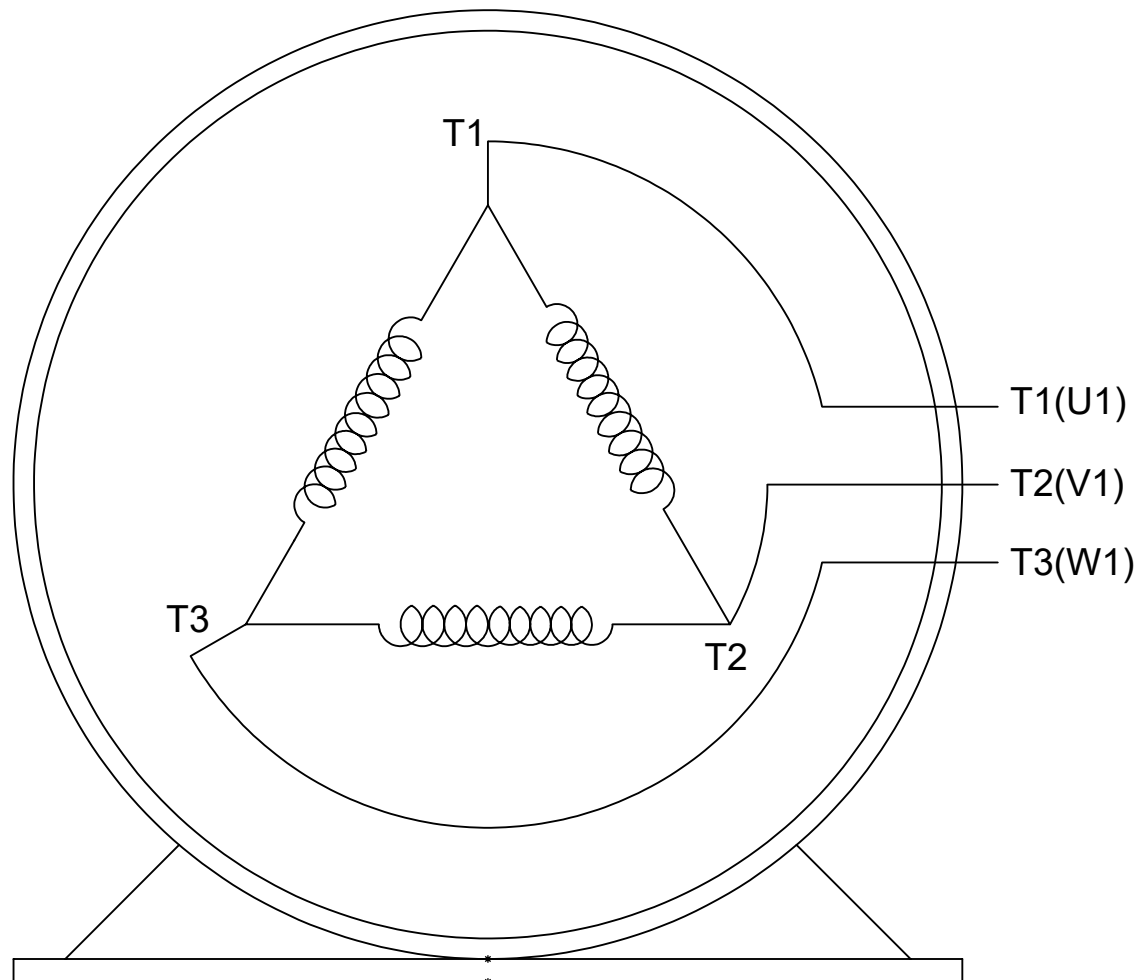
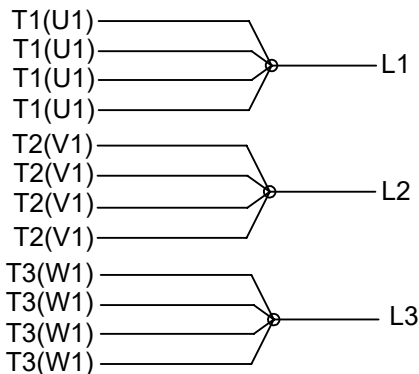


IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION M	REVISION BY SB	REV DATE/© DATE 08/01/2025
REQUEST NUMBER CR-0023654	APPROVED BY SBD	DATE 08/01/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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DRAWN BY DRS	marathon™		
DATE 09-27-1996			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL		
DATE 09-30-1996	3Ø SINGLE VOLTAGE		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7300U	SHEET 1 OF 1