

PRODUCT INFORMATION PACKET

Model No: 256TTDC6079

Catalog No: U285

10 HP, General Purpose Motors, 3 phase, 1200 RPM, 575 V, 256T Frame, DP
General Purpose Motors



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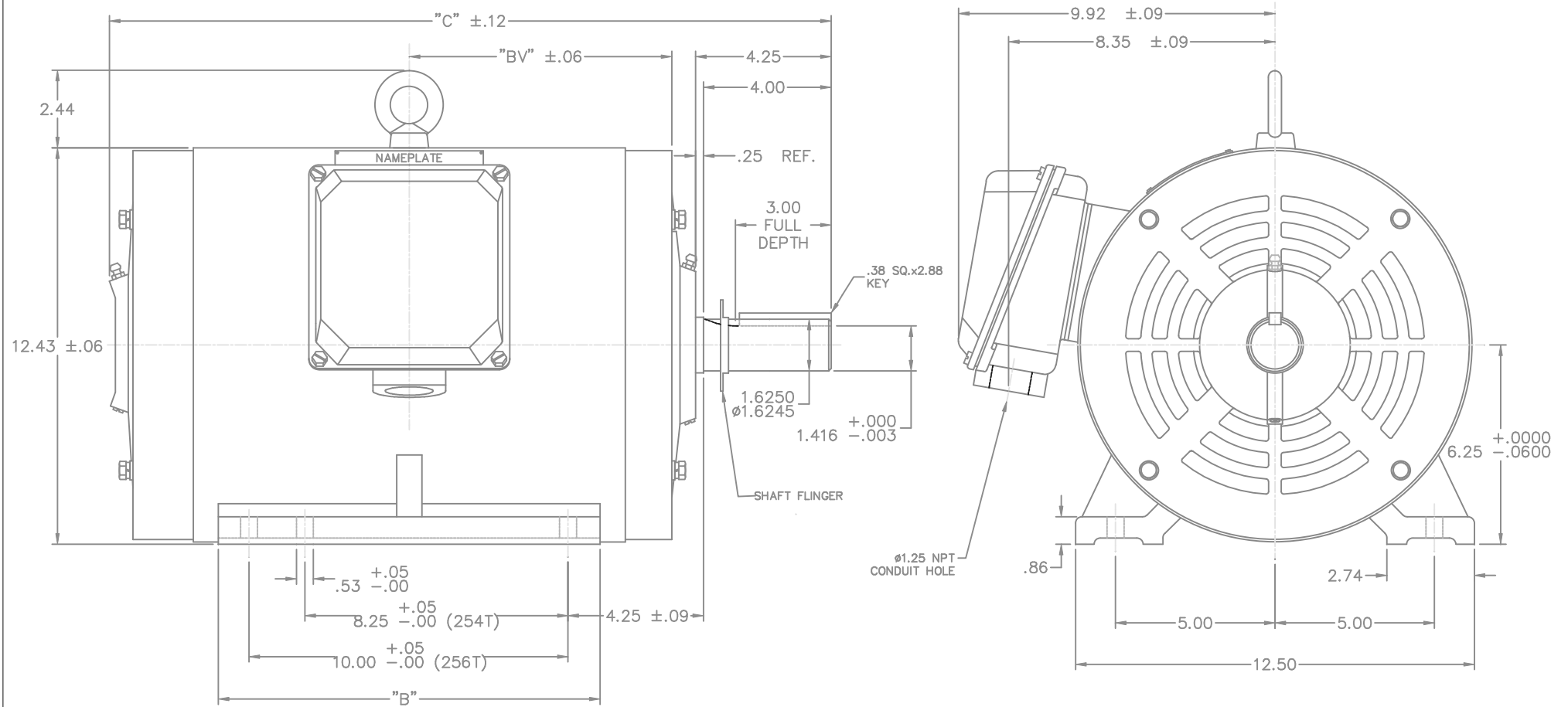
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	11.9 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	68.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	256T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	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 Induction Run	Starting Method	Wye Start Delta Run
Poles	6	Rotation	Reversible
Resistance Main	.7605 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	20.94 in
Shaft Diameter	1.625 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16955160ME-256T	Connection Drawing	005190.01ME

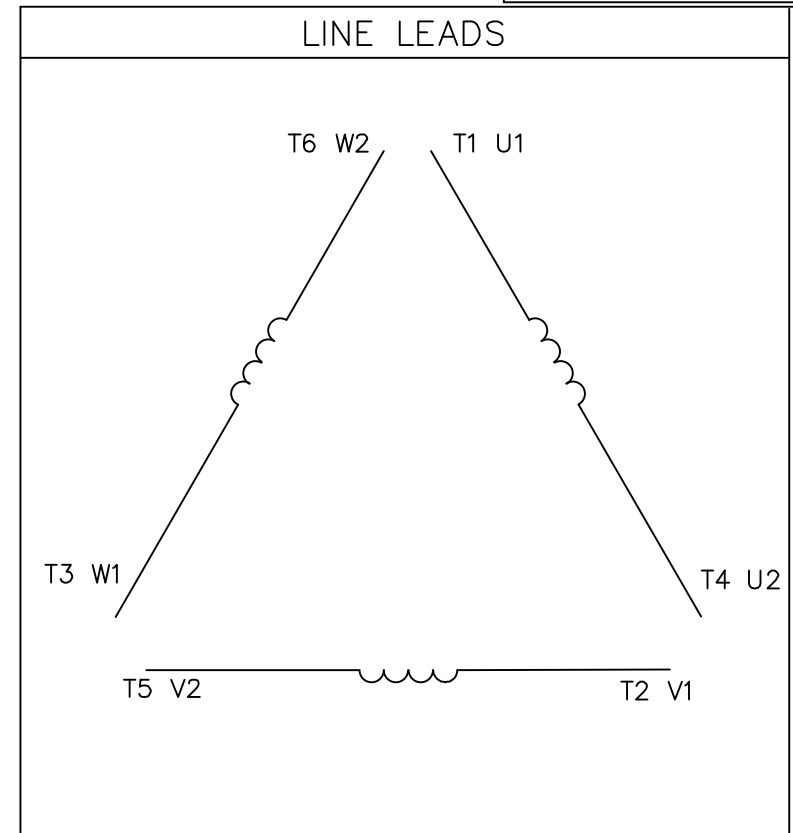
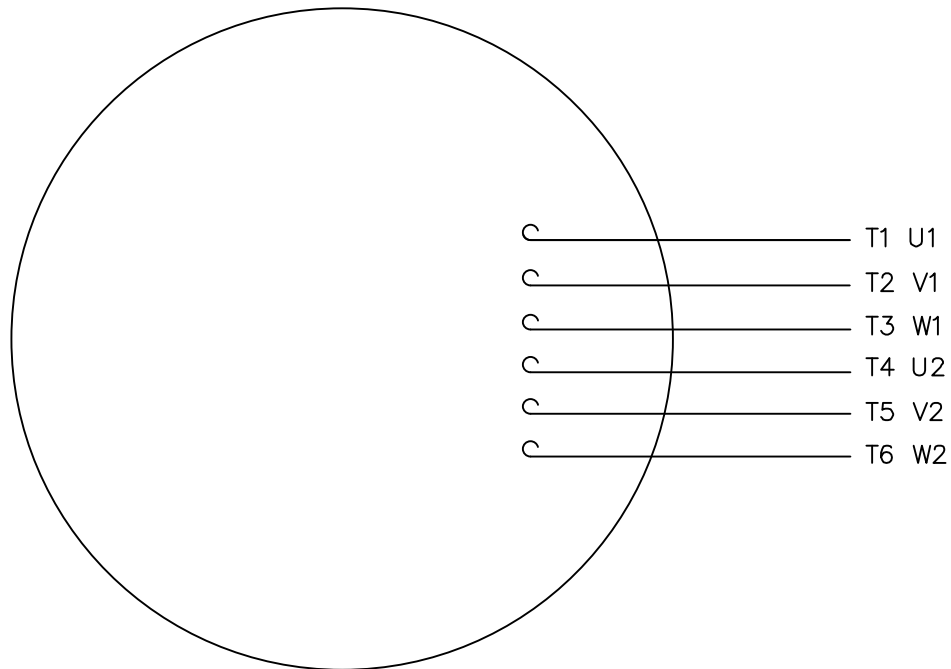
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NOTE: 256T HAS 6 MTG. HOLES, USING BOTH 254T AND 256T "2F" LOCATIONS.

FRAME	"C"	"BV"	"B"
254T	20.94	8.23	10.25
256T	22.60	9.06	12.00

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN CTO 04-23-2002	
		DEC.	INCHES			CHK	ML 05-20-2002
		.X	±.1	TITLE		APPD	SB 05-21-2002
		.XX	±.03	OUTLINE 250T FRAME		SCALE	1=1.125
		.XXX	±.005	ODP, RIGID MOUNT, NEW CON-BOX		REF	
		.XXXX	±.0005	MAT'L		FMF	
		CHK	ANG ±1/2'	FINISH		PREV	
1 NEW DRAWING		CTO 05/21/02		CAD FILE		16955160me	
NO. REVISION		BY & DATE		RFP		SIZE	DRAWING NO.
				DIST		B	169551-60ME
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT						REV. 1	



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4, T5, T6) (U2, V2, W2)
RUN (DELTA)	(T1, T6) (U1, W2)	(T2, T4) (V1, U2)	(T3, T5) (W1, V2)	

				TOLERANCES UNLESS SPECIFIED				DRAWN PG 05/07/82		
				DEC.	INCHES			CHK		
				.X	±.1			APPD TEM 05/07/82		
03	ADDED IEC DESIGNATIONS	MOL 04/27/12	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM STAR START - DELTA RUN				SCALE 1=1	
02	REMOVED OBSOLETE STATUS	KJH 06/28/99	.XXX	±.005					REF	
01	REDRAWN ON CAD	DBT 05/30/97	.XXXX	±.0005	MAT'L. Y-CONNECTED START - DELTA CONNECTED RUN				FMF	
NO.	REVISION	BY & DATE	CHK	ANG ±1/2'					FINISH SINGLE VOLTAGE	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	CAD FILE 00519001ME		SIZE A	DRAWING NO. 005190-01ME			
			DIST							



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005190.01ME
OUTLINE: 16955160ME-256T
WINDING #: T12906017 DR 4

CUSTOMER PO#:
MODEL #: 256TTDC6079 AA
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1200	1185	256T	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	11.9	WYE START DELTA RUN	CONTINUOUS	F2	1.15	40

FULL LOAD EFF:	91.7	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.2	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	68.5	3/4 LOAD PF:	62.5	1/2 LOAD PF:	51.5	-		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.4 LB-FT	61.6	75.5 LB-FT 170 %	136 LB-FT 306 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	- LB-FT^2	- LB-FT^2	15 SEC.		305 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6309	6208						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

PREPARED BY: Dinesh
Suddula **DATE:**
02/14/2019 03:22:05 AM
FORM 3531 REV.3 02/07/99
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Data Sheet

Date: 1/4/2019
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



256TDC6079

Submittal

Data @ 575 V

Motor Load Data

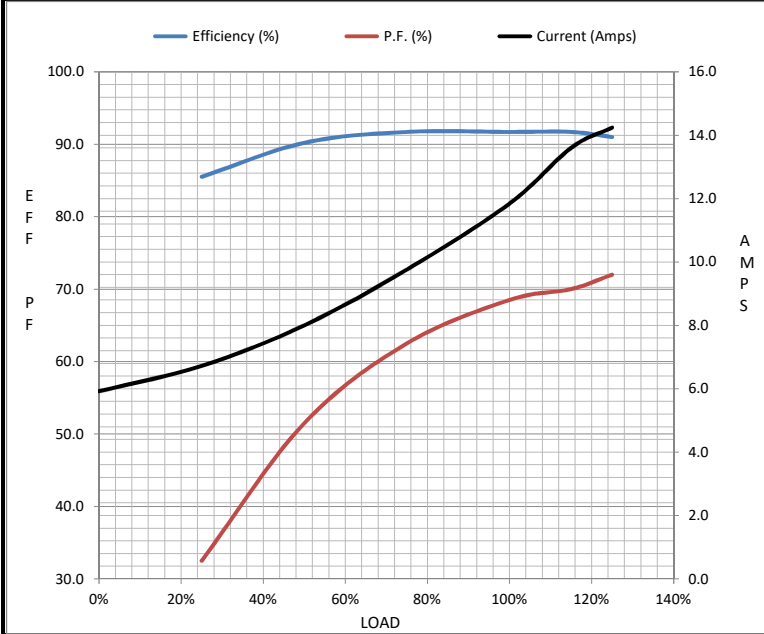
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	5.9	6.7	8.0	9.8	11.8	13.6	14.2	61.6
Torque (ft-lb)	0.00	11.0	22.0	33.2	44.4	51.0	55.6	75.5
RPM	1200	1196	1192	1189	1185	1,182	1180	0
Efficiency (%)		85.5	90.2	91.7	91.7	91.7	91.0	
P.F. (%)	4.5	32.5	51.5	62.5	68.5	70.0	72.0	35.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1115	1185	1200
Current (Amps)	61.6	58.4	40.0	11.8	5.9
Torque (ft-lb)	75.5	64.0	136	44.4	0.00

Information Block

HP	10.0			
Sync. RPM	1200			
Frame	256			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	35 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T12906017 DR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	16955160ME			
Conn. Diag	005190.01ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

