

Other Purpose Motors

Model No: 286TTDP7217

Catalog No: Y460

Other Purpose Motor, 20 & 8.89 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 286T Frame, DP

Product Information Packet: Model No: 286TTDP7217, Catalog No: Y460 Other Purpose Motor, 20 & 8.89 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 RPM, 286T Frame, DP

Nameplate Specifications

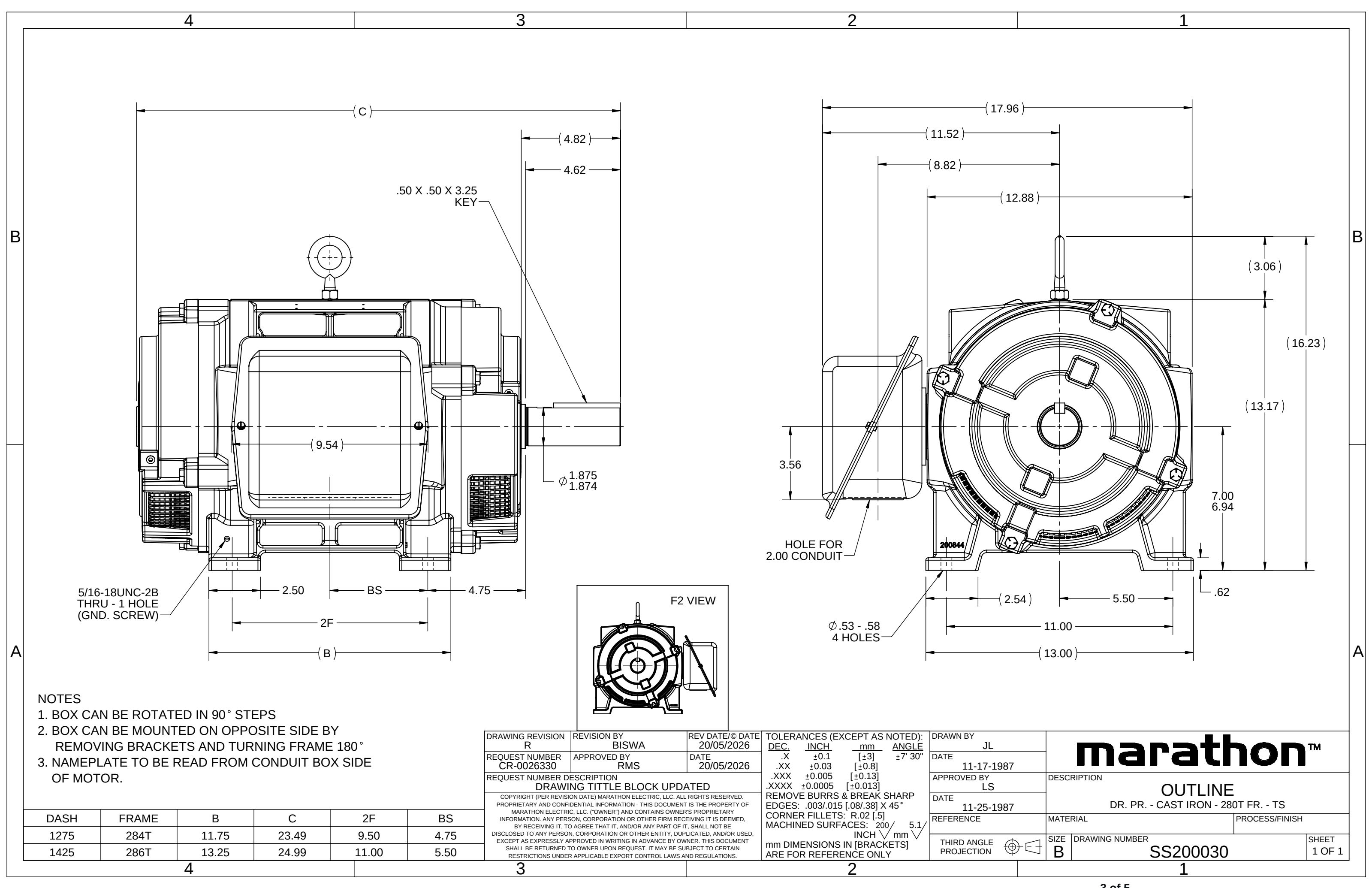
Phase	3	Output HP	20 & 8.89 Hp
Output KW	14.9 & 6.6 kW	Voltage	460 & 460 V
Speed	1765 & 1170 r/min	Synchronous RPM	1800 & 1200 r/min
Service Factor	1.15 & 1.15	Frame	286T
Enclosure	Drip Proof	Thermal Protection	No Protection
Efficiency	88.5 & 82.5 %	Ambient Temperature	40 °C
Frequency	60 & 60 Hz	Current	25 & 12 A
Power Factor	85	Duty	Continuous
Insulation Class	B	Design Code	2VT
KVA Code	H	Drive End Bearing Size	6311
Opp Drive End Bearing Size	6210	UL	Recognized
CSA	Y	CE	Y
IP Code	12	Number of Speeds	2

Technical Specifications

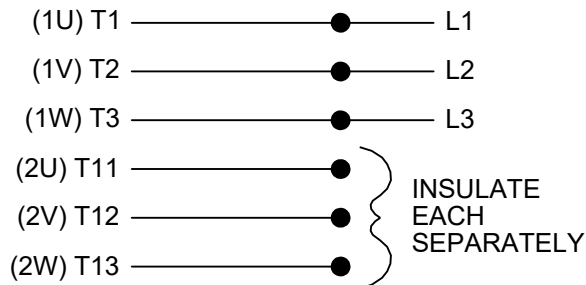
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4//6	Rotation	Reversible
Resistance Main	.753 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	24.99 in
Frame Length	14.25 in	Shaft Diameter	1 7/8 in
Shaft Extension	4.82 in	Assembly/Box Mounting	F1/F2 Capable

Drawings

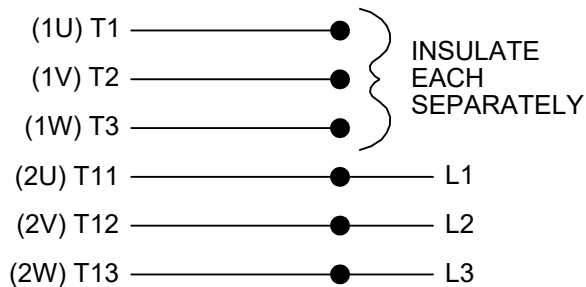
Connection Drawing	A-EE7317	Outline Drawing	B-SS200030-1425
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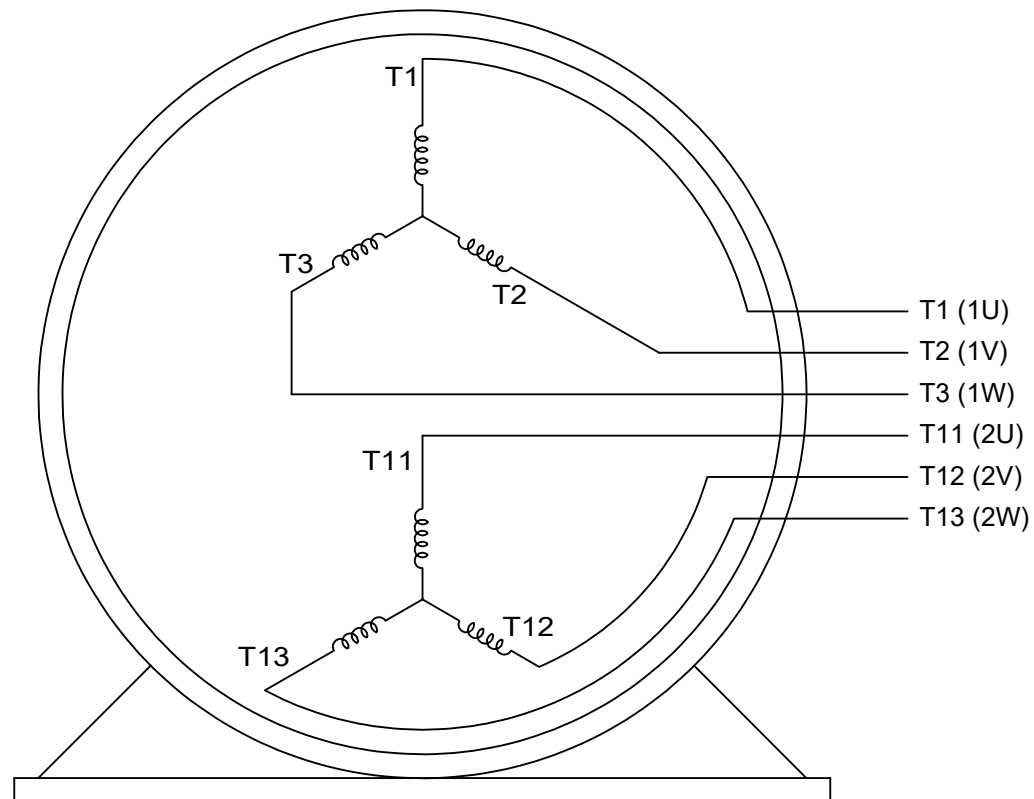
LOW SPEED



HIGHSPEED



THREE PHASE, SINGLE VOLT, 6 LEAD 2 SPEED REVERSIBLE MOTOR



VIEW OF TERMINAL END

TO REVERSE ROTATION ON
EITHER SPEED: INTERCHANGE
ANY 2 LEADS ON THE
WINDING IN USE.

DRAWING REVISION D	REVISION BY SB	REV DATE/© DATE 10/08/2025
REQUEST NUMBER CR-0024284	APPROVED BY RMS	DATE 10/08/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY LZ			
DATE 01-05-1994			
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-INTERNAL		
DATE 01-17-1994	3 PHASE - SINGLE - 2 SPEED REVERSIBLE		
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7317	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 286TTDP7217 AD
 CONN. DIAGRAM: A-EE7317
 OUTLINE: B-SS200030-1425

WINDING#: 256(4-6)33 NONE 1
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20&8.89	14.9&6.6	1200	1765&1170	286T	DP	H	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/60	460	25&12	ACROSS THE LINE	CONTINUOUS	B3	1.15/1.15	40	3300

FULL LOAD EFF: 88.5&82.5	3/4 LOAD EFF: 83	1/2 LOAD EFF: 81.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&80.5	3/4 LOAD PF: 71.5	1/2 LOAD PF: 62.5	79	SQ CAGE IND RUN	6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
40 LB-FT	60	60 LB-FT 150	95 LB-FT 238	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	2.8 LB-FT^2	- LB-FT^2	- SEC.	-	360 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	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6311	6210						

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

If Inverter equals NONE, contact factory for further information

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

DATE: 06/27/2017 03:34:24 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.