

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 286TTDCA6095

Catalog No: GT2526

20 HP Close-Coupled Pump Motor, 3 phase, 1200 RPM, 575 V, 286JPV Frame, ODP
Close-Coupled Pump Motors



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RegalRexnord


Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	21.6 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	286JPV	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.5005 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JP	Overall Length	29.99 in
Shaft Diameter	1.250 in	Shaft Extension	8.15 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS620573-286T

284T	9.50	15.55	29.48
286T	11.00	16.93	29.99
FRAME	2F	BB	C

				TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN Lee 05-16-2012	
				DEC. INCHES				CHK HPH 05-16-2012	
				.X ±.1				APPD JGX 05-16-2012	
				.XX ±.03		TITLE		SCALE 1=6	
				.XXX ±.005		OUTLINE		REF	
				.XXXX ±.0005		ODP-284/286JP FR-CAST IRON		FMF HWADA	
				MAT'L					
NO.		REVISION		BY & DATE		CHK ANG ±1/2		FINISH	
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				DIST				DRAWING NO. SS620573	
								REV.	

THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



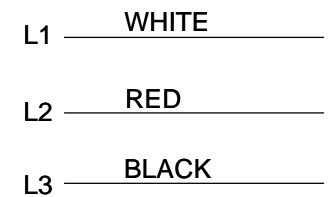
VIEW OF TERMINAL END

IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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CERTIFICATION DATA SHEET

Model#: 286TTDCA6095 AA

WINDING#: CHT28660003 NONE 3

CONN. DIAGRAM: EE7300

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620573

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20	14.9	1200	1182	286JPV	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	21.6	LINE OR INVERTER	CONTINUOU S	F7	1.15	40	3300

FULL LOAD EFF: 92.4	3/4 LOAD EFF: 92.4	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75	3/4 LOAD PF: 70	1/2 LOAD PF: 59	91	SQ CAGE INV RATED	10

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
89 LB-FT	104	148 LB-FT 165	240 LB-FT 270	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	5.5 LB-FT^2	- LB-FT^2	- SEC.	2	420 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6311	6210	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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

INVERTER TORQUE: VARIABLE 10:1
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

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DATE: 06/27/2017 03:29:44 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



286TTDCA6095

Submittal

Data @ 575 V

Motor Load Data

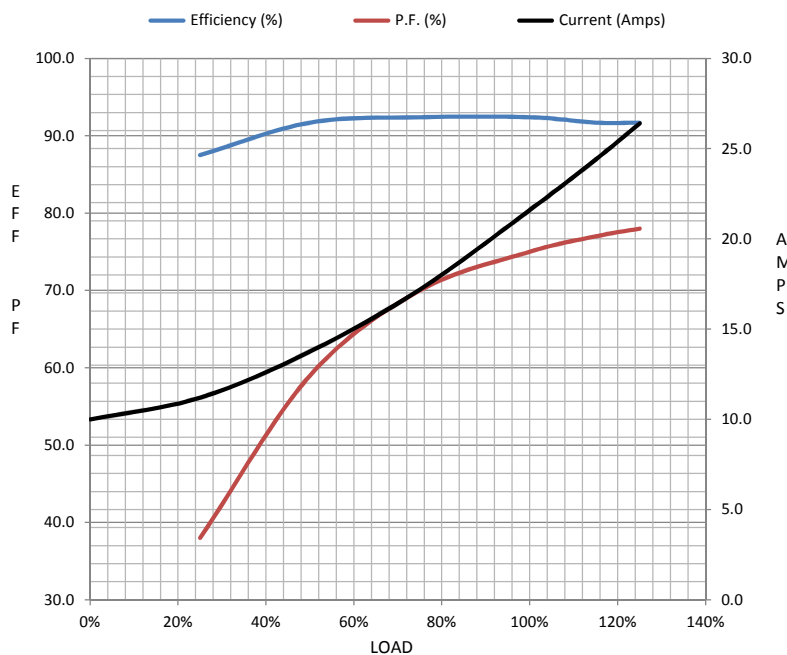
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	10.0	11.2	13.8	17.2	21.6	24.4	26.4	104	
Torque (ft-lb)	0.00	22.0	44.0	66.4	89.0	102	112	148	
RPM	1200	1195	1192	1188	1182	1,180	1178	0	
Efficiency (%)		87.5	91.7	92.4	92.4	91.7	91.7		
P.F. (%)	4.5	38.0	59.0	70.0	75.0	77.0	78.0	38.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1100	1182	1200
Current (Amps)	104	88.0	72.0	21.6	10.0
Torque (ft-lb)	148	120	240	89.0	0.00

Information Block

HP	20.0			
Sync. RPM	1200			
Frame	286			
Enclosure	DP			
Construction	TDC			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	5.5 Lb-Ft ²			
Ref Wdg	CHT28660003 NONE			
Sound Pressure @ 1M	65 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	SS620573			
Conn. Diag	EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.4870	0.2550	1.4180	2.9910	32.5250



Speed -Torque Curve

