

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 445TSTDS4001

Catalog No: E757

General Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 445TS Frame,
DP

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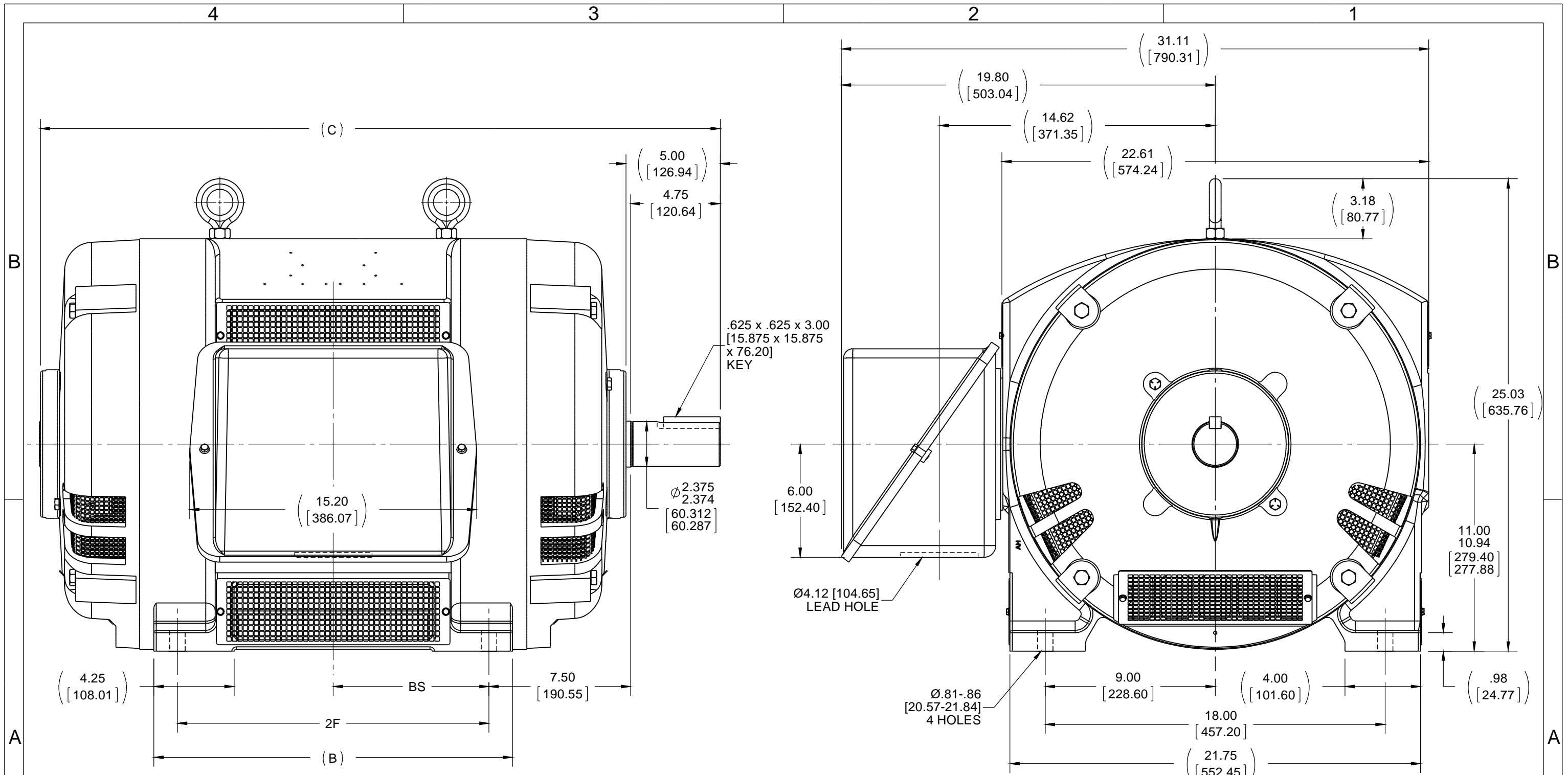
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	250 & 200 Hp
Output KW	187.0 & 149.0 kW	Voltage	460 & 380 V
Speed	3565 & 2965 rpm	Service Factor	1.15 & 1.15
Frame	445TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	279 & 270 A	Power Factor	88.5
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	F
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start
Poles	2	Rotation	Reversible
Resistance Main	.0198 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	36.00 in
Frame Length	20.50 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7341C	Outline Drawing	B-SS509829-2050



- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.
 4. DIMENSION IN [] DESIGNATE MILLIMETERS.

DASH	FRAME	B	C	2F	BS
1850	444TS	17.00 [431.80]	34.00 [863.60]	14.50 [368.30]	7.25 [184.15]
2050	445TS	19.00 [482.60]	36.00 [914.40]	16.50 [419.10]	8.25 [209.55]

DRAWING REVISION G	REVISION BY JJB	DATE 11-21-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.01 [±0.25] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY TLB	Regal Beloit America, Inc.
ECO ECO-0065854	APPROVED BY TDB	DATE 11-21-2014	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [0.51] MACHINED SURFACES: 125 INCH 3.2 mm mm SHOWN IN [BRACKETS]	DATE 03-16-1988	
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				DATE 03-16-1988	MATERIAL
				REFERENCE	PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE B
					DRAWING NUMBER SS509829
					SHEET 1 OF 1

EE7341C

THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7-T8,T8-T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN	BLR	03-09-1998	
		DEC.	INCHES			CHK	ML	03-23-1998	
		.X	± -			APPD	GK	03-23-1998	
		.XX	± -	TITLE		SCALE 1=1			
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.XXX	± -	CONNECTION DIAGRAM		REF	
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	± -	3ø - 6 LEADS		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH		PREV	
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