

		Model Number: SD3-213T-2-BR-E-7.5					
		MFG PN: 1605					
		List Price:					
All data shown at HIGH voltage setting		Format: STD 3 Phase					
Electrical Data				General Data			
Rated Motor Output Power		7.5	HP	Frame Size		213T	
Rated Motor Speed		3510	r/min 60Hz	Enclosure		TEFC	
		2865	r/min 50Hz	Mounting		Rigid	
Rated Motor Voltage (3 Phase)		460	V/60Hz	NEMA Design		B	
		380	V/50Hz	IP Rating		55	
Rated Motor Current		8.5	A (In) @ 60Hz	Insulation Class		F	
		10.5	A (In) @ 50Hz	Tropicalization		1	
FL Current @ 208V		None	A (In) @ 60Hz	Duty		Cont.	
Service Factor		1.25	@ 60Hz	Cable Entry		None	
		1.25	@ 50Hz	Feet Removable		0	
KVA Code		H	60Hz	Double Drilled		0	
		G	50Hz	Frame Material		Cast	
Nominal Efficiency		89.5	% @ 60Hz	Shaft Material		None	
		86.2	% @ 50Hz	Coating		RAL	7024
Nominal Power Factor		0.92	cos θ @ 60Hz				
Full Load Torque Ft-Lb		S		Mechanical Data			
Load Data	Trq Ft-Lb	Trq %FL	Current Amps	Bearing DE Side		6308Z	
Locked Rotor				Bearing NDE Side		6308Z	
Breakdown	520.1133389	250.0	-	Comp Ring (wavey washer)		DE	
Pull Up	333.7535106	197.0	-	Weight		600.8625	Lbs
Load Data	RPM	Eff %	Current Amps	Moment of Inertia		None	kg.m3
125% of FL	1774.4	93.41	82.79	Site Conditions			
75% of FL	1785.5	94.29	52.63	Temp Rise @ Full Load °C		None	@ 60Hz
50% of FL	1790.5	93.78	40.19	Ambient Temperature °C		40	
No Load	1199.0	0	26.53	Altitude Above Sea Level (M)		1000	
Brake Torque (N-M)		100.0		Loaded Torque Curves		None	
Brake Coil Voltage		None		P1 = Output Power (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor			

CT VFD Range		
Haz Loc Rating		
Options:		
UL File Number		
CSA File Number		
DOE File Number		
CE APPROVAL		
Wiring Diagram	NEMA-3-6-D	

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Model Number:	SD3-213T-2-BR-E-7.5
MFG PN:	
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Dimensional Drawing (For Reference Only)

841-213T7.5U2B

Components			
Item	Model	Description	List Price
C-Face Kit			
D-Flange Kit			
DE Endplate Kit			
NDE Endplate Kit			
Junction Box			
Cooling Fan Cover			
Cooling Fan			
Replacement Feet			
DE Bearing Retainer Kit			
NDE Bearing Retainer Kit			

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