

PFE											
				Typica	l Applic	ations	Light Duty	Standard Duty	Medium Duty	Heavy Duty	
Step 1 - Select the application from the list and follow that column down.	Typical Applications						Compressor - Unloaded Mixer - Unloaded Conveyor - Unloaded	Agitator Compressor - Rotary Vane Compressor - Scroll Bow Thruster - Zero Pitch Fan - Low Inertia or <85A Feeder - Screw Lathe Machines Moulding Machine Plastic and Textile Machines Pump - Submersible - Centrifugal Pump - Submersible - Rotodynamic Saw - Band Transformers Voltage Regulators	Compressor - Centrifugal Compressor - Reciprocating Compressor - Rotary Screw Ball Mill Bow Thruster - Loaded Conveyor - Loaded Grinder Hammer Mill Mills - flour etc. Mixer - Loaded Pelletizers Press, Flywheel Positive Displacement Pump - Reciprocating Positive Displacement Pump	Crusher Shredder Wood Chipper	
							Do not use Light Duty when there is a possibility of the motor starting under a heavy load.		Pump Jack Rolling Mill Roots Blower Saw - Circular Screen - Vibrating Tumblers	The PFE is not suitable for very high inertia loads such as loaded crushers centrifuges, or start times >30s.	
Step 2 - Confirm the rated starting capability of the soft start against the application.	Trip Class Rated Starting Capability Max Starts per Hour with Optional Cooling Fan					ability Hour	Trip Class 2 3x Motor Current - 5secs 10 starts/hour 60 starts/hour	Trip Class 10 3x Motor Current - 23secs 3.5x Motor Current - 17secs 5 starts/hour 30 starts/hour	Trip Class 20 4x Motor Current - 19secs 5 starts/hour 30 starts/hour	Trip Class 30 4x Motor Current - 29secs 5 starts/hour 30 starts/hour	
Step 3 - Consider the operating environment and make the model	Operating Temperature						Standard operating height is 1000m, for every 100m increase motor Amps/kW by 1%, up to 2000m. Example: For a 10A motor at 1500m make model selection based on 10.5 A (5% higher) Standard operating temperature is 40degC, for every 1degC above, increase motor Amps/kW by 2%, up to 60degC. Example: For a 10A motor at 50degC make model selection based on 12 A (20% higher) Fit optional fan to increase maximum starts per hour or where advised below.				
selection on a higher horsepower rating.			Incre	eased St	tarts pe	Hour	Fit optional fan to increase max	imum starts per hour or where ad	lvised below.		
					tarts pe	Hour	Fit optional fan to increase max	imum starts per hour or where ac	lvised below.		
	230V		Motor	eased St Rating OV	tarts pe		Fit optional fan to increase maxi Select Model	imum starts per hour or where ad	lvised below. Select Model	Select Model	
			Motor	Rating			·			Select Model 5 starts/hour	
	HP 10	/ le(A) 2.2	Motor 46	Rating 0V	40	0V	Select Model	Select Model	Select Model		
horsepower rating.	HP 10 0.5 0.75	/ le(A) 2.2 3.2	Motor 46 HP	Rating OV Ie(A) 3 3.4	40 kW 1.1 1.5	0V I _e (A) 2.7 3.6	Select Model 10 starts/hour PFE-02 PFE-02	Select Model 5 starts/hour PFE-02 PFE-04	Select Model 5 starts/hour PFE-04 PFE-06	5 starts/hour PFE-06 PFE-08	
horsepower rating. Step 4 - Select your	HP 10 0.5 0.75 1	2.2 3.2 4.2	Motor 46 HP 1.5	Rating 0V Ie(A)	40 kW 1.1	0V I _e (A) 2.7 3.6 4.9	Select Model 10 starts/hour PFE-02 PFE-02 PFE-02	Select Model 5 starts/hour PFE-02 PFE-04 PFE-06	Select Model 5 starts/hour PFE-04 PFE-06 PFE-08	5 starts/hour PFE-06 PFE-08 PFE-10	
horsepower rating. Step 4 - Select your motor Voltage and	HP 10 0.5 0.75 1	/ le(A) 2.2 3.2	46 HP 1.5	Rating OV Ie(A) 3 3.4	40 kW 1.1 1.5	0V I _e (A) 2.7 3.6	Select Model 10 starts/hour PFE-02 PFE-02	Select Model 5 starts/hour PFE-02 PFE-04	Select Model 5 starts/hour PFE-04 PFE-06	5 starts/hour PFE-06 PFE-08	
horsepower rating. Step 4 - Select your motor Voltage and Horsepower and select	HP 10.5 0.75 1 2	2.2 3.2 4.2	Motor 46 HP 1.5 2	Rating 0V le(A) 3 3.4 4.8	40 kW 1.1 1.5 2.2	0V I _e (A) 2.7 3.6 4.9	Select Model 10 starts/hour PFE-02 PFE-02 PFE-02	Select Model 5 starts/hour PFE-02 PFE-04 PFE-06	Select Model 5 starts/hour PFE-04 PFE-06 PFE-08	5 starts/hour PFE-06 PFE-08 PFE-10	
horsepower rating. Step 4 - Select your motor Voltage and Horsepower and select	HP 10 0.5 0.75 1 2 3	(A) 2.2 3.2 4.2 6.8	Motor 46 HP 1.5 2 3 3	Rating OV Ie(A) 3 3.4 4.8 4.8	40 kW 1.1 1.5 2.2	0V I _e (A) 2.7 3.6 4.9 6.5	Select Model 10 starts/hour PFE-02 PFE-02 PFE-02 PFE-04	Select Model 5 starts/hour PFE-02 PFE-04 PFE-06 PFE-08	Select Model 5 starts/hour PFE-04 PFE-06 PFE-08 PFE-10	5 starts/hour PFE-06 PFE-08 PFE-10 PFE-12	
horsepower rating. Step 4 - Select your motor Voltage and Horsepower and select	HP 10 0.5 0.75 1 2 3 3	2.2 3.2 4.2 6.8 9.6	Motor 46 HP 1.5 2 3 3	Rating OV Ie(A) 3 3.4 4.8 4.8 7.6	40 kW 1.1 1.5 2.2 3 4	0V I _e (A) 2.7 3.6 4.9 6.5 8.5	Select Model 10 starts/hour PFE-02 PFE-02 PFE-02 PFE-04 PFE-06	Select Model 5 starts/hour PFE-02 PFE-04 PFE-06 PFE-08 PFE-10	Select Model 5 starts/hour PFE-04 PFE-06 PFE-08 PFE-10 PFE-12	5 starts/hour PFE-06 PFE-08 PFE-10 PFE-12 PFE-14	
horsepower rating. Step 4 - Select your motor Voltage and Horsepower and select	HP 10 0.5 0.75 1 2 3 3 5 1	(e(A) 2.2 3.2 4.2 6.8 9.6 9.6	Motor 46 HP 1.5 2 3 3 5 7.5	Rating OV le(A) 3 3.4 4.8 4.8 7.6 11	40 kW 1.1 1.5 2.2 3 4 5.5	1 _e (A) 2.7 3.6 4.9 6.5 8.5 11.5	Select Model 10 starts/hour PFE-02 PFE-02 PFE-04 PFE-06 PFE-08	Select Model 5 starts/hour PFE-02 PFE-04 PFE-06 PFE-08 PFE-10 PFE-12	Select Model 5 starts/hour PFE-04 PFE-06 PFE-08 PFE-10 PFE-12 PFE-16	5 starts/hour PFE-06 PFE-08 PFE-10 PFE-12 PFE-14 PFE-18	
horsepower rating. Step 4 - Select your	HP 10 0.5 0.75 1 2 3 3 5 1.7.5	(A) (2.2 (3.2 (4.2 (6.8 (9.6 (9.6 (15.2 (1	Motor 46 HP 1.5 2 3 3 5 7.5	Rating 0V le(A) 3 3.4 4.8 4.8 7.6 11 14	40 kW 1.1 1.5 2.2 3 4 5.5 7.5	0V I _e (A) 2.7 3.6 4.9 6.5 8.5 11.5 15.5	Select Model 10 starts/hour PFE-02 PFE-02 PFE-04 PFE-06 PFE-08 PFE-10	Select Model 5 starts/hour PFE-02 PFE-04 PFE-06 PFE-08 PFE-10 PFE-12 PFE-14 PFE-18	Select Model 5 starts/hour PFE-04 PFE-06 PFE-08 PFE-10 PFE-12 PFE-16 PFE-18	5 starts/hour PFE-06 PFE-08 PFE-10 PFE-12 PFE-14 PFE-18 PFE-18 + Fan	
horsepower rating. Step 4 - Select your motor Voltage and Horsepower and select	HP 10 0.5 0.75 1 2 3 3 5 1.7.5	(e(A) 2.2 3.2 4.2 6.8 9.6 9.6 15.2 22	Motor 46 HP 1.5 2 3 3 5 7.5 10 15	Rating 0V le(A) 3 3.4 4.8 4.8 7.6 11 14 21	40 kW 1.1 1.5 2.2 3 4 5.5 7.5	0V I _e (A) 2.7 3.6 4.9 6.5 8.5 11.5 15.5	Select Model 10 starts/hour PFE-02 PFE-02 PFE-04 PFE-06 PFE-08 PFE-10 PFE-12	Select Model 5 starts/hour PFE-02 PFE-04 PFE-06 PFE-08 PFE-10 PFE-12 PFE-14	Select Model 5 starts/hour PFE-04 PFE-06 PFE-08 PFE-10 PFE-12 PFE-16 PFE-18	5 starts/hour PFE-06 PFE-08 PFE-10 PFE-12 PFE-14 PFE-18 PFE-18 + Fan -	

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