

PFE										
Step 1 - Select the application from the list and follow that column down.	Typical Applications						Light Duty	Standard Duty	Medium Duty	Heavy Duty
		Compressor - Unloaded Mixer - Unloaded Conveyor - Unloaded						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 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 - Rotary Pump Jack Rolling Mill Roots Blower Saw - Circular Screen - Vibrating Tumblers
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						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 selection on a higher horsepower rating.	Height Above Sea Level  Operating Temperature  Increased Starts per Hour						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.			
Step 4 - Select your motor Voltage and Horsepower and select model.	Motor Rating						Select Model	Select Model	Select Model	Select Model
	230V		460V		400V		10 starts/hour	5 starts/hour	5 starts/hour	5 starts/hour
	HP	Ie(A)	HP	Ie(A)	kW	Ie(A)				
	0.5	2.2	1.5	3	1.1	2.7	PFE-02	PFE-02	PFE-04	PFE-06
	0.75	3.2	2	3.4	1.5	3.6	PFE-02	PFE-04	PFE-06	PFE-08
	1	4.2	3	4.8	2.2	4.9	PFE-02	PFE-06	PFE-08	PFE-10
	2	6.8	3	4.8	3	6.5	PFE-04	PFE-08	PFE-10	PFE-12
	3	9.6	5	7.6	4	8.5	PFE-06	PFE-10	PFE-12	PFE-14
	3	9.6	7.5	11	5.5	11.5	PFE-08	PFE-12	PFE-16	PFE-18
	5	15.2	10	14	7.5	15.5	PFE-10	PFE-14	PFE-18	PFE-18 + Fan
	7.5	22	15	21	11	22	PFE-12	PFE-18	PFE-18 + Fan	-
10	28	20	27	15	29	PFE-14	PFE-18 + Fan	-	-	
10	28	25	34	18.5	35	PFE-16	-	-	-	
10	28	30	40	22	41	PFE-18	-	-	-	