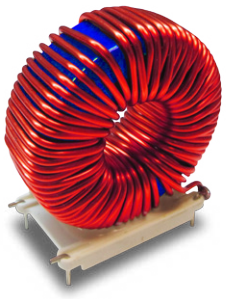
PFC Inductor Series



- Designed for applications with airflow
- Rated power: 200W – 2000W
- Operate with controllers from several IC manufacturers
- Designed for universal input voltage range 85VAC – 265VAC
- Shielded toroidal design minimizes radiated EMI
- Operating temperature range: -20°C to 130°C
- Can be used for single phase and multi-phase interleaved CCM PFC topology

ELECTRICAL SPECIFICATIONS

Part Number	Single Phase Output Power (W)		Inductance (µH) Min. (Note 1)	Saturation Current (A) Inductance Drop			Inductor Temp Rise	DCR (Ω) Max.	SRF (Mhz) Min
	85-265VAC	220-265VAC		10%	30%	50%			
PFC-22602-00	200	400	955	2.2	4.6	7.2	See curve	0.35	0.80
PFC-22603-00	300	600	628	2.9	6	9.4	See curve	0.16	1.00
PFC-22604-00	400	800	464	3.7	7.7	12	See curve	0.085	1.40
PFC-22605-00	500	1000	426	4.1	8.5	13.2	See curve	0.075	1.30
PFC-22606-00	600	1200	514	5	10.2	15.9	See curve	0.066	1.31
PFC-22607-00	700	1400	514	5	10.2	15.9	See curve	0.066	1.30
PFC-22608-00	800	1600	399	5.6	11.5	18	See curve	0.046	1.50
PFC-22609-00	900	1800	317	6.3	12.9	20.2	See curve	0.033	1.80
PFC-22610-00	1000	2000	262	7	14.2	22.3	See curve	0.025	1.70

NOTE (1) : Measured at 0.1V, 100kHz

Mechanical

Fig.1

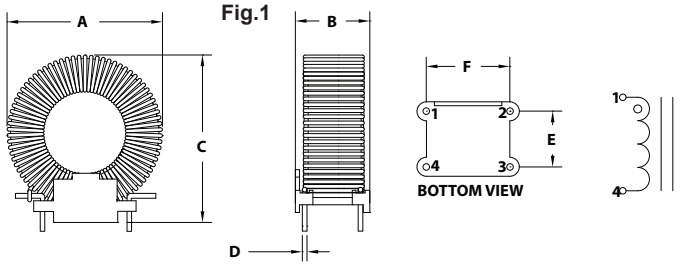
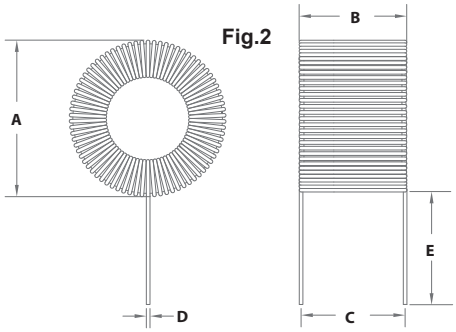


Fig.2



Unit: mm

Part Number	Figure	A (Max)	B (Max)	C	D	E	F
PFC-22602-00	1	35	21	33 (Max)	1.27 Ref	15.24 ± .254	22.86 + .381/ -.127
PFC-22603-00	1	37	21	40 (Max)	1.27 Ref	15.24 ± .254	22.86 + .381/ -.127
PFC-22604-00	1	39	21	41 (Max)	1.27 Ref	15.24 ± .254	22.86 + .381/ -.127
PFC-22605-00	1	42	21	45 (Max)	1.27 Ref	15.24 ± .254	22.86 + .381/ -.127
PFC-22606-00	1	45	24	47 (Max)	1.27 Ref	17.78 ± .254	30.48 + .381/ -.127
PFC-22607-00	1	45	24	47 (Max)	1.27 Ref	17.78 ± .254	30.48 + .381/ -.127
PFC-22608-00	2	46	25	17.02 Ref	1.45 Ref	12.7 ± 2	—
PFC-22609-00	2	46	25	17.53 Ref	1.60 Ref	12.7 ± 2	—
PFC-22610-00	2	46	25	17.53 Ref	1.83 Ref	12.7 ± 2	—

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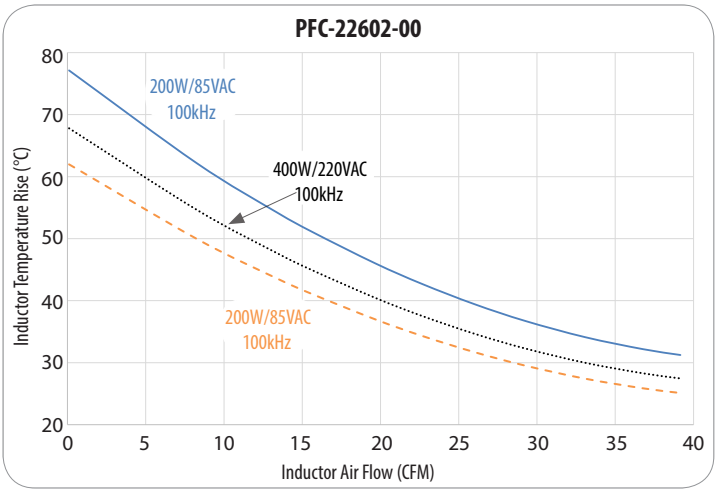
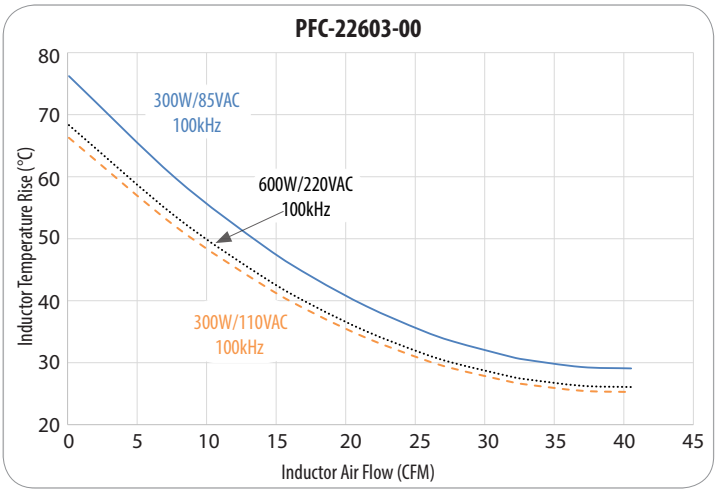
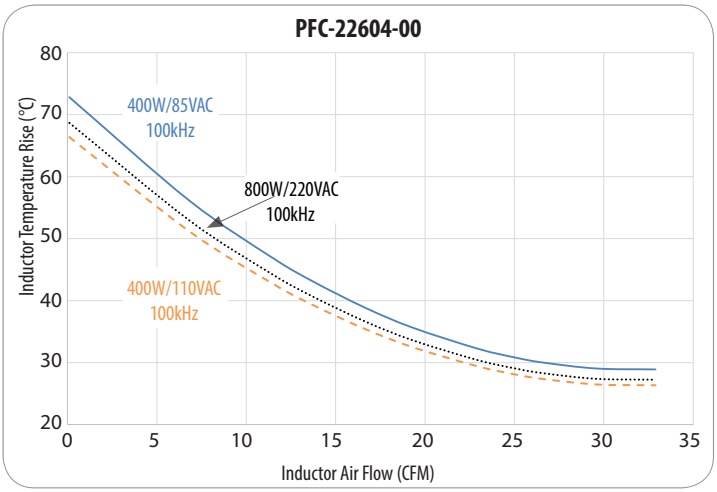
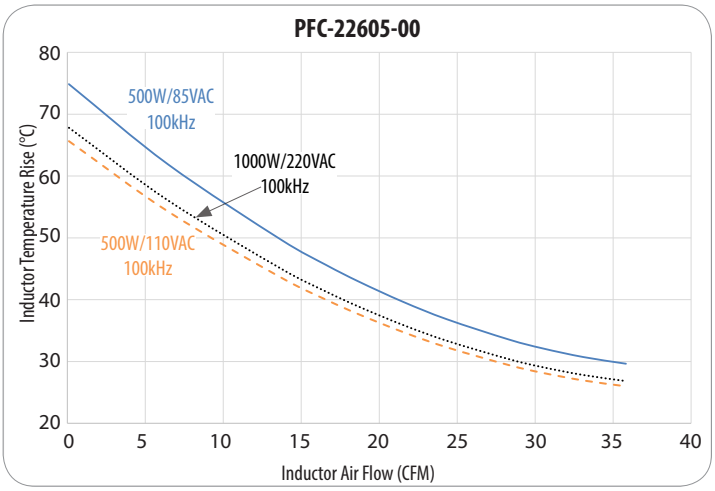
Performance Curves

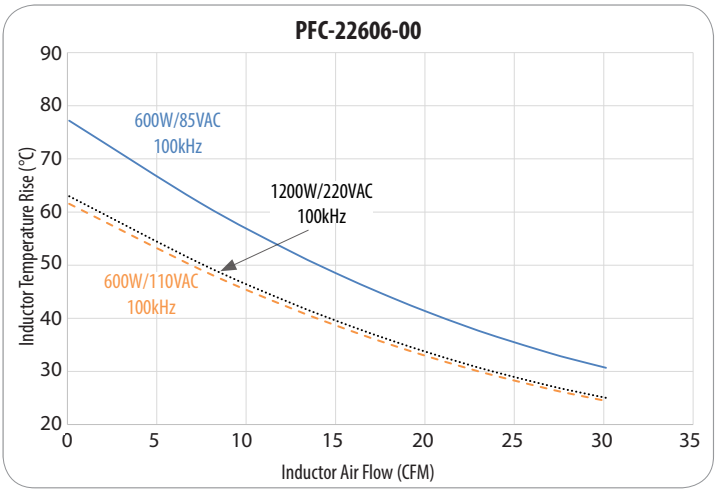
Inductor Temperature Rise vs. Airflow

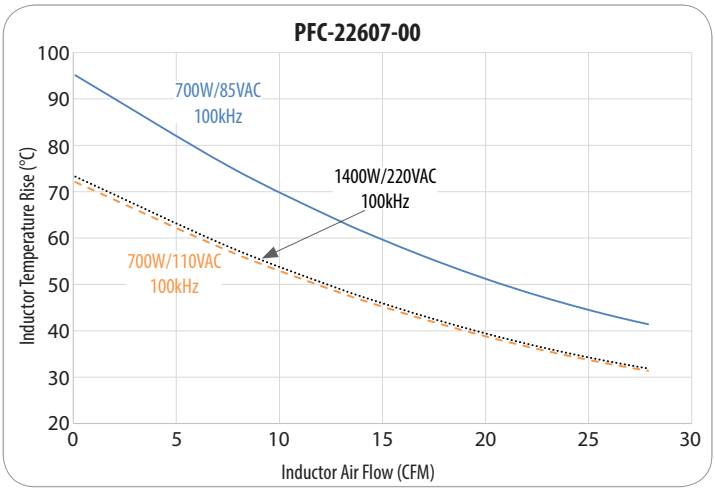












Performance Curves

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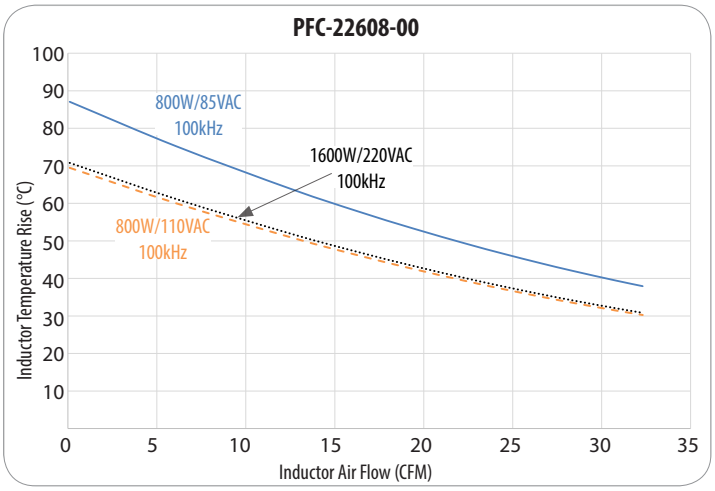
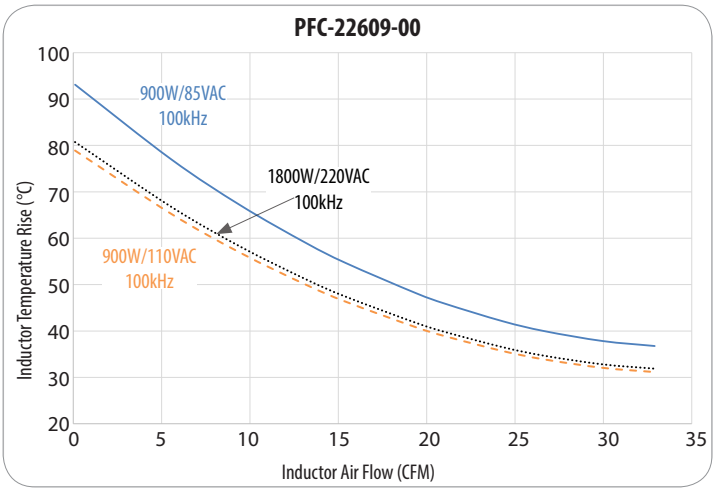
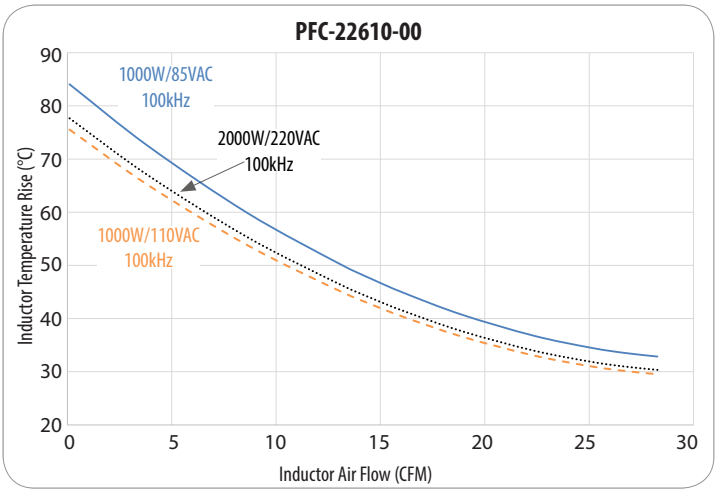
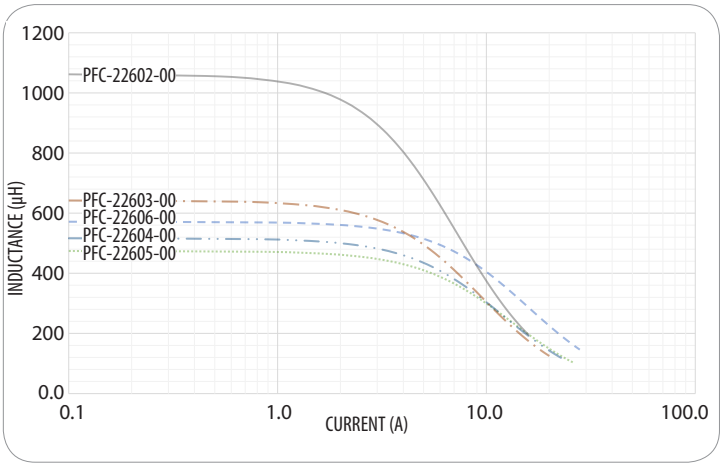
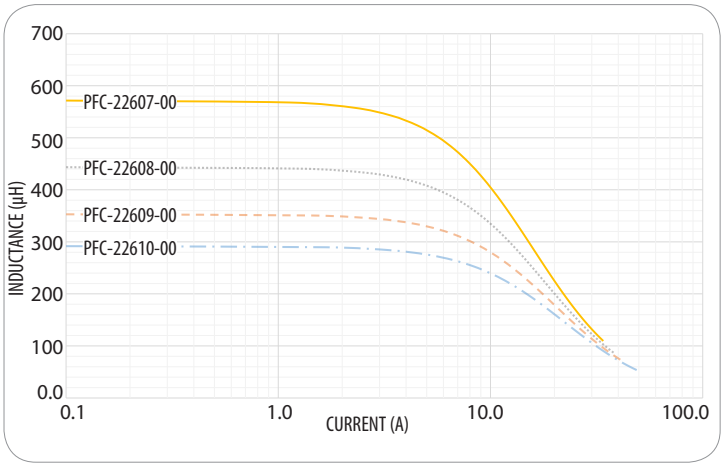






Inductance vs Current





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