The Brand You Trust, The Power You Depend On.

LSAP 44.3 – 45 to 160 kVA

Low Voltage Alternators - 4 Pole

- Compact & Rigid
- Industry best Efficiency
- Better motor starting capability
- High power density (Lighter weight)
- Superior thermal life

LEROY-SOMER™

Nidec
All for dreams

ELECTRICAL DATA — LSAP 44.3 – 4 Pole - 1Ø — 50 HZ 1500 RPM

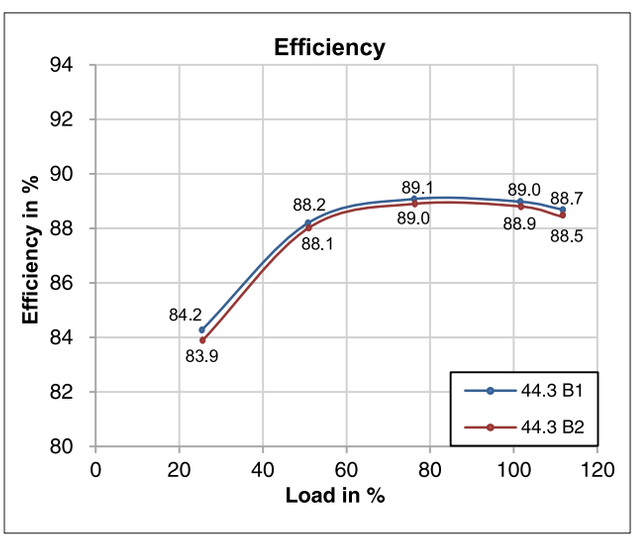
General Characteristics			
Insulation Class	H	**Excitation System**	SHUNT
Winding pitch	2/3	**AVR Model**	R120 / R150
Terminals	2 /4 (Optional)		R180 (Optional)
Protection	IP 23	**Voltage Regulation (*)**	±1%
Altitude	≤ 1000 m	**Total harmonic Distortion (**)**	< 2%
Over speed	120% for 2 mins	**Wave form : TIF (**)**	< 50
Air flow	0.28 m^3/s		

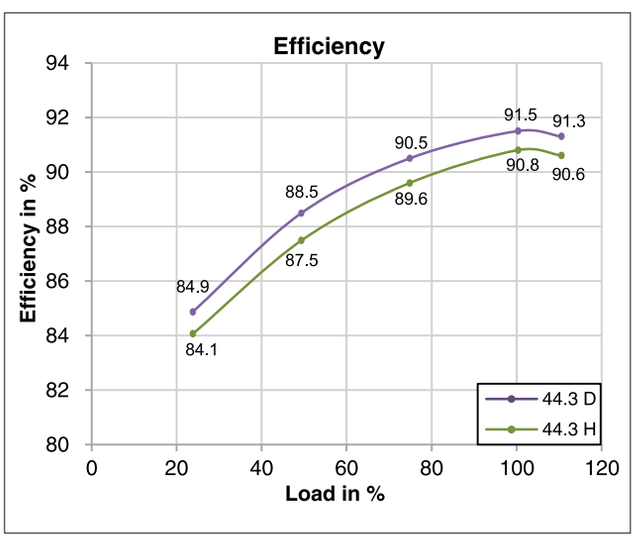
(*) Steady state duty. (**) Total harmonic distortion between phases, no-load or on-load (non-distorting).

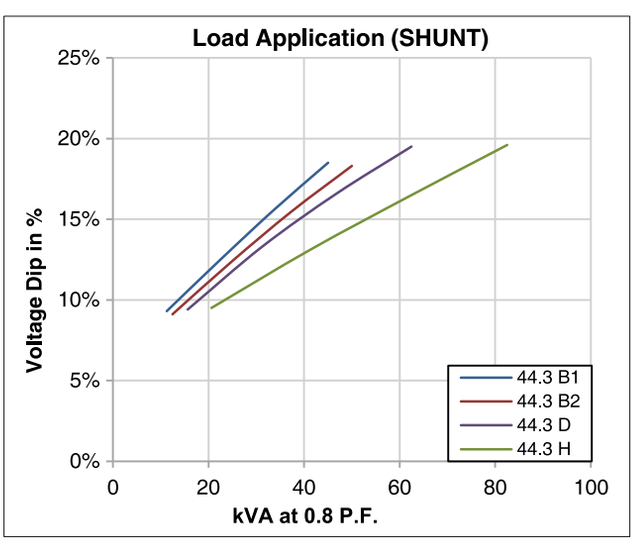
Ratings kVA @ 0.8 P.F **1 Phase 230 V, 50 Hz – 1500 RPM*****

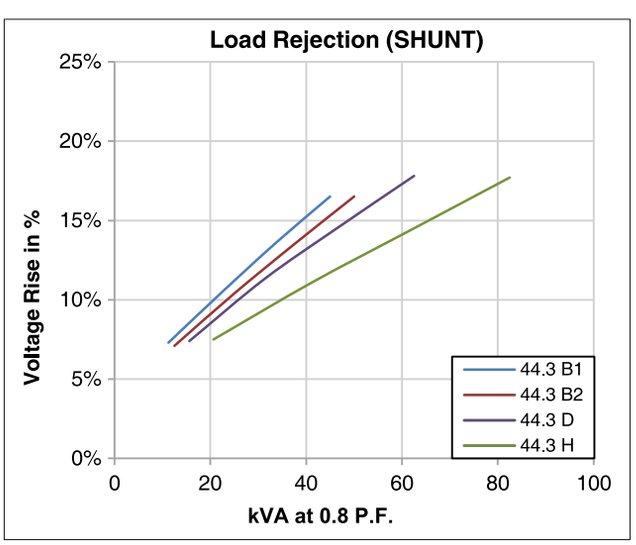
Duty	Class/Temp. Rise	B1	B2	D	H
Continuous duty / 40° C	H / 125° C	45	50	62.5	82.5
	F / 105° C	40.5	45	56.2	74.2
Stand-By Duty / 27° C	H / 163° C	49.5	55	68.7	90.7

(***) Also offering multi-voltage/60 Hz/1800 RPM.









ELECTRICAL DATA — LSAP 44.3 – 4 Pole - 3Ø — 50 HZ 1500 RPM

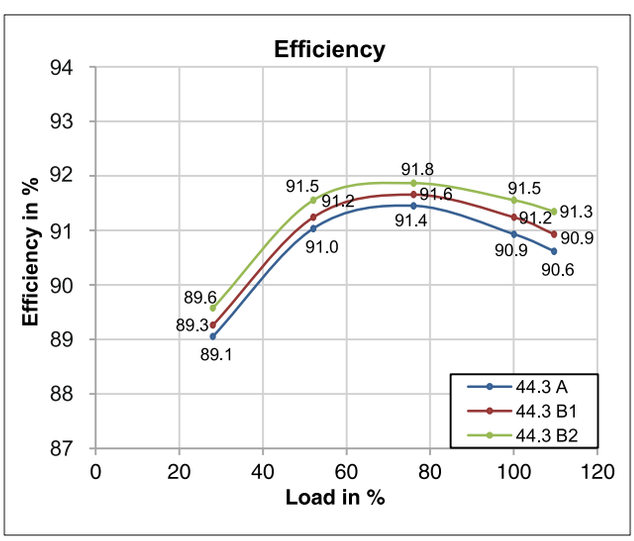
General Characteristics			
Insulation Class	H	**Excitation System**	SHUNT / AREP (Optional)
Winding pitch	2/3	**AVR Model**	R120 / R150 / R180 (Optional)
Terminals	6/12 (Optional)	**Voltage Regulation (*)**	± 1%
Protection	IP 23	**Sustained short-circuit current**	300 % of FLC for 10 s (AREP)
Altitude	≤ 1000 m	**Total harmonic Distortion (**)**	< 2%
Over speed	120% for 2 mins	**Wave form : TIF (**)**	< 50
Air flow	0.28 m3/s		

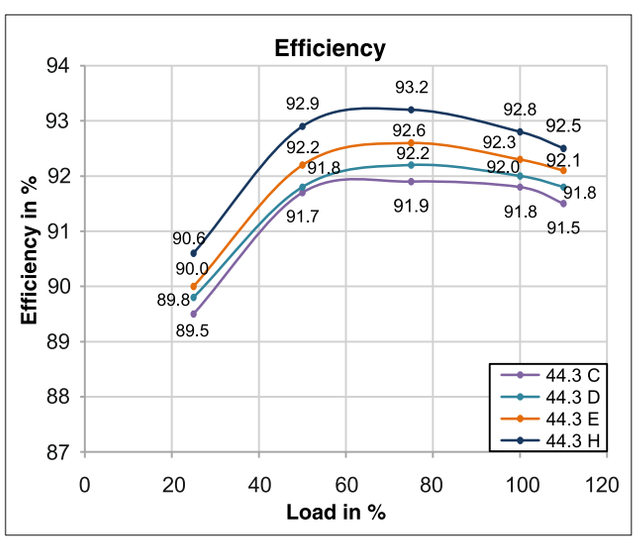
(*) Steady state duty. (**) Total harmonic distortion between phases, no-load or on-load (non-distorting).

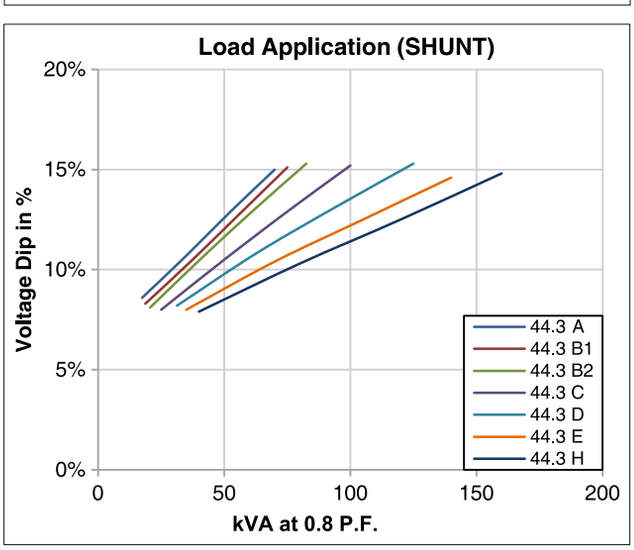
Ratings kVA @ 0.8 P.F **3 Phase 415 V, 50 Hz – 1500 RPM*****

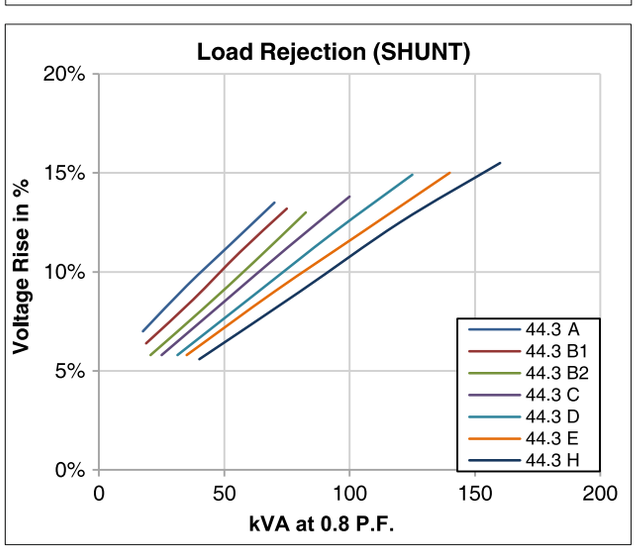
Duty	Class/Temp. Rise	A	B1	B2	C	D	E	H
Continuous duty / 40° C	H / 125° C	70	75	82.5	100	125	140	160
	F / 105° C	63	68	75	90	113	126	144
Stand-By Duty / 27° C	H / 163° C	77	82.5	90.7	110	137.5	154	176

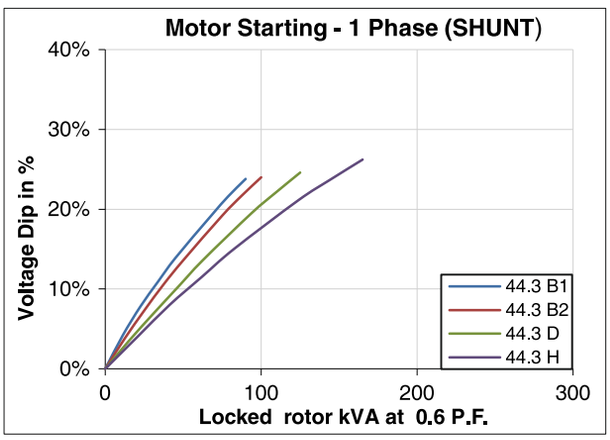
(***) Also offering multi-voltage/60 Hz/1800 RPM.

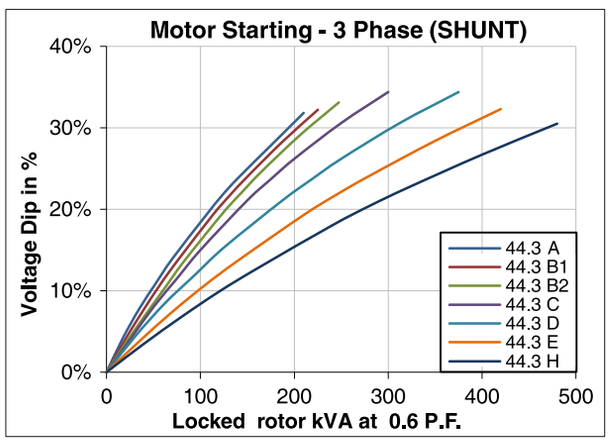






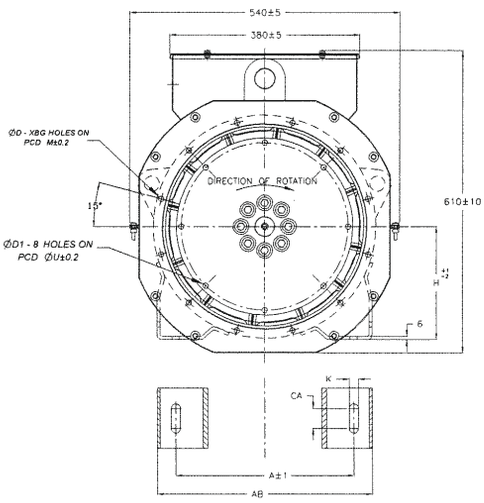


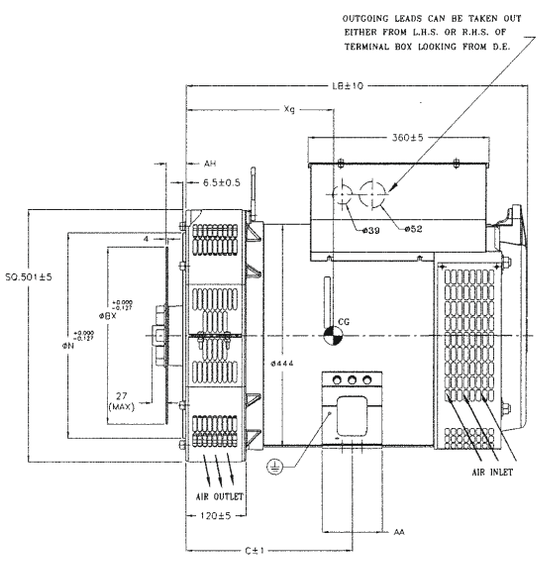




1. For a starting P.F. differing from 0.6, the starting kVA must be multiplied by (Sine φ /0.8)
2. For voltages other than 415V(Y) at 50 Hz, then kVA must be multiplied by (415/Other voltage)2

MECHANICAL DATA LSAP 44.3 – 4 Pole 50 HZ 1500 RPM





Frame Dimensions (mm) & Weight

Type	LB	Xg	H	Weight (Kg) Approx.	Centre Height (H)	A	AB	AA	C	CA	K
LSAP 44.3 A	640	280	225	281	225	356	430	120	332.5	40	18.5
LSAP 44.3 B1	640	280	225	281	270	406	474	150	405	50	20
LSAP 44.3 B2	640	280	225	281	Coupling						
LSAP 44.3 C	680	313	225	331	SAE/DISC	10		11.5		14	
LSAP 44.3 D	680	329	225	368	S.A.E 1	X		X		✓	
LSAP 44.3 E	750	353	270	393	S.A.E 2	✓		✓		X	
LSAP 44.3 H	790	383	270	469	S.A.E 3	✓		✓		X	

Flange (mm)					Flex Plate (mm)				
S.A.E	Ø N	Ø M	XBG	Ø D	DISC	Ø BX	Ø U	AH	Ø D1
1	511.18	530.22	12	12	14	466.72	438.15	25.4	14
2	447.68	466.72	12	11	10	314.32	295.28	53.8	11
3	409.58	428.62	12	11	11.5	352.42	333.38	39.6	11

According to IS : 13364, I.E.C. 60034-1/34-2. The values indicated are typical.

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