



**The Brand You Trust,
The Power You Depend On.**

LSAP 42.3 – 15 to 63 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

General Characteristics

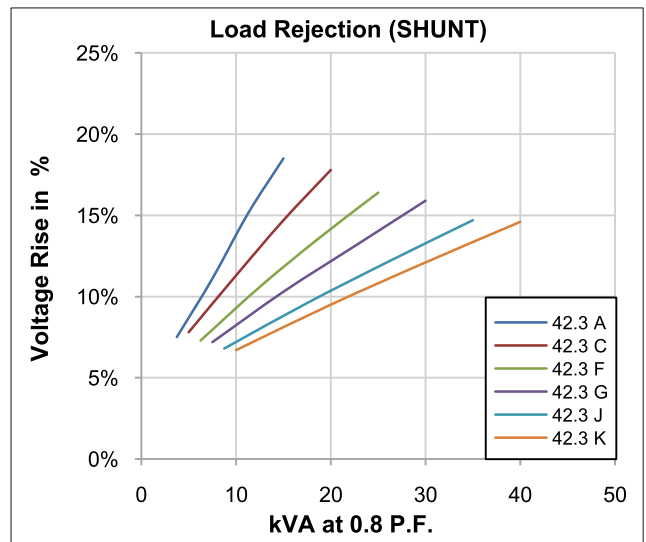
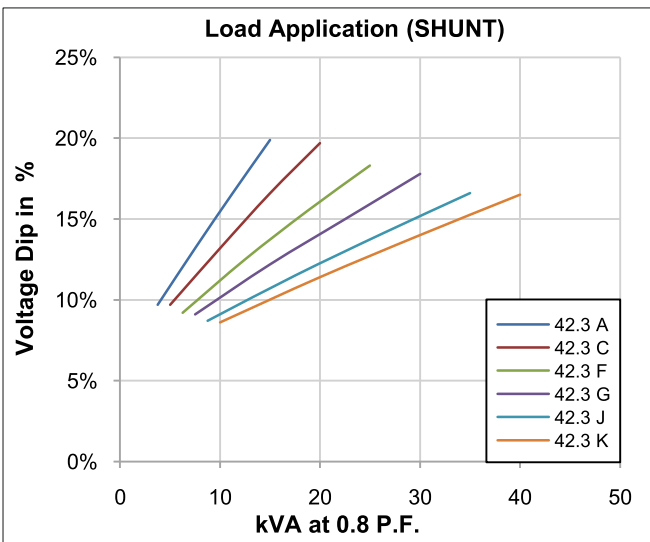
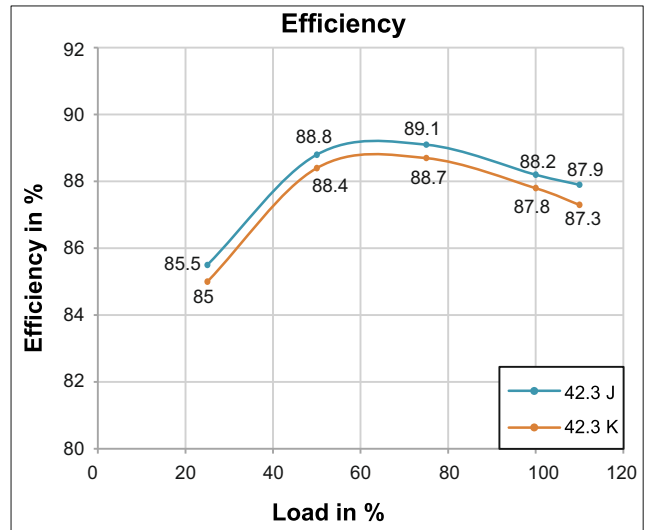
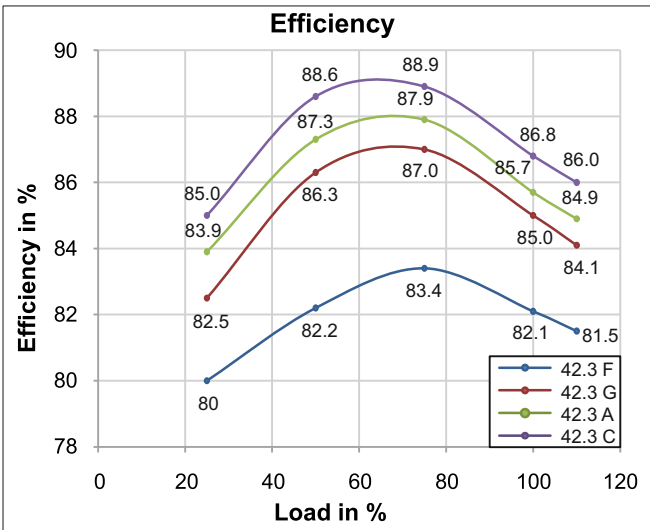
Insulation Class	H	Excitation System	SHUNT
Winding pitch	2/3	AVR Model	R120
Terminals	2 /4 (Optional)		
Protection	IP 23	Voltage Regulation (*)	± 1%
Altitude	≤ 1000 m	Total harmonic Distortion (**)	< 3%
Over speed	120% for 2 mins	Wave form : TIF (**)	< 50
Air flow	0.11 m ³ /s		

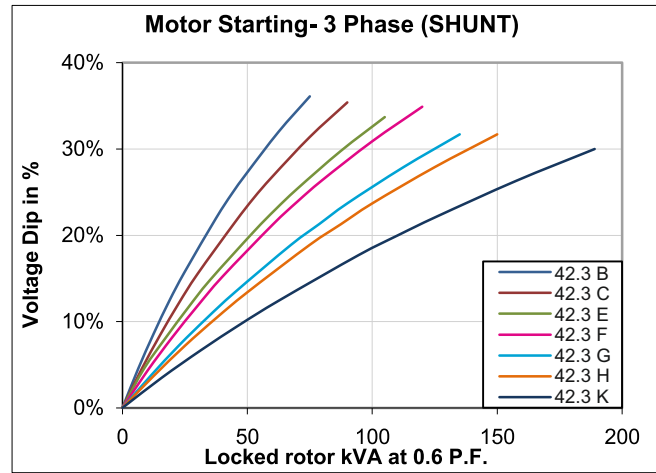
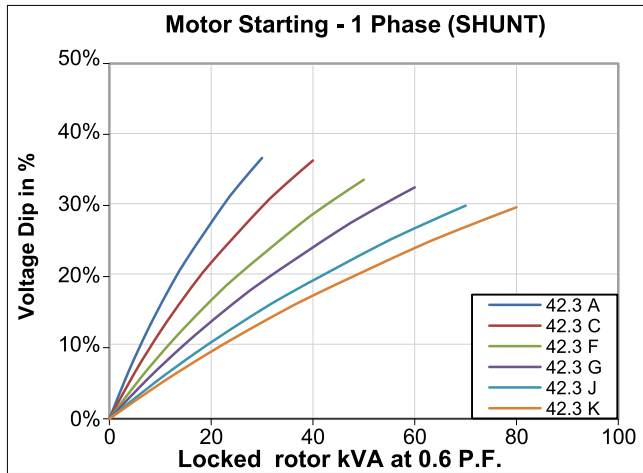
(*) Steady state duty. (**) Total harmonic distortion between phases, no-load or on-load (non-distorting).

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

Duty	Class/Temp. Rise	A	C	F	G	J	K
Continuous duty / 40° C	H / 125° C	15	20	25	30	35	40
	F / 105° C	13.5	18	22.5	27	31.5	36
Stand-by duty / 27° C	H / 163° C	16.5	22	27.5	33	38.5	44

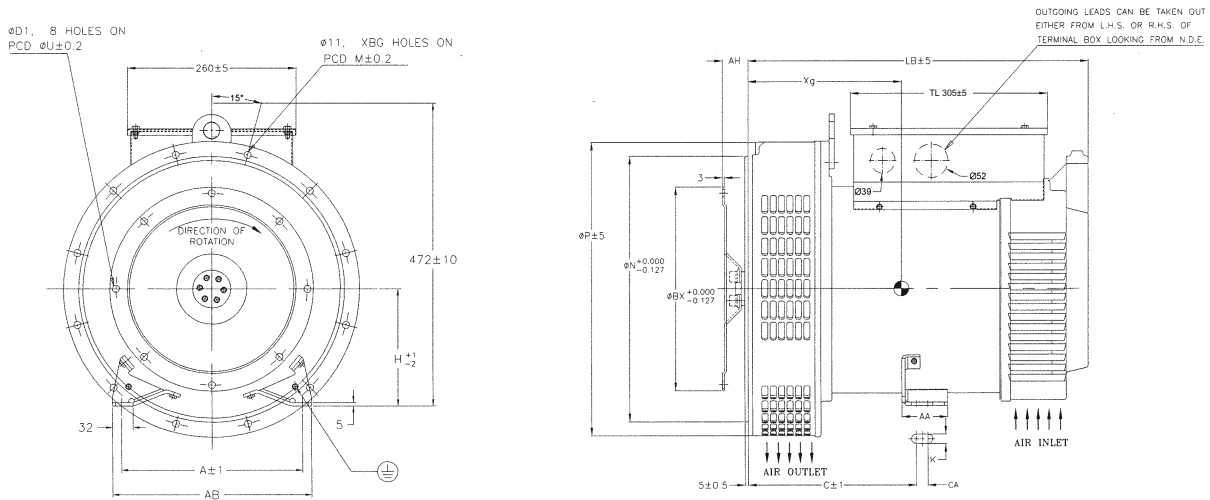
(***) Also offering multi-voltage/60 Hz/1800 RPM.





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

MECHANICAL DATA **LSAP 42.3 – 4 Pole** **SINGLE BEARING**



Frame Dimensions (mm) & Weight											
Type	LB	Xg	TL	Centre Height (H)	A	AB	AA	C	CA	K	Weight (Kg) Approx.
LSAP 42.3 A	455	220	245	180	279	307	70	241	18	14	108
LSAP 42.3 B	503	237	305	180	279	307	70	260	18	14	124
LSAP 42.3 C	503	237	305	180	279	307	70	260	18	14	129
LSAP 42.3 E	503	252	305	180	279	307	70	260	18	14	145
LSAP 42.3 F	548	275	305	180	279	307	70	260	18	14	151
LSAP 42.3 G	548	275	305	180	279	307	70	260	18	14	170
LSAP 42.3 H	588	287	305	180	279	307	70	260	18	14	185
LSAP 42.3 J	588	295	305	180	279	307	70	260	18	14	190
LSAP 42.3 K	620	310	305	225	356	400	70	312.5	23	14	212

Flange (mm)		Flex Plate (mm)											
S.A.E	ØP	ØN	ØM	XBG	DISC	AH	ØBX	ØD1	ØU	SAE/DISC	7.5	10	11.5
2	490	447.68	466.72	12	7.5	30.2	241.3	9	222.25	S.A.E 2	X	✓	✓
3	452.5	409.57	428.62	12	10	53.8	314.32	11	295.28	S.A.E 3	✓	✓	✓
4	411	361.95	381	12	11.5	39.6	352.42	11	333.38	S.A.E 4	✓	X	X

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