

SUPER CHARGER

MODEL: TX04 / TX07 / TX10 / TX12 / TX15 / TX20

Licensed by
Wankel R&D W.Germany

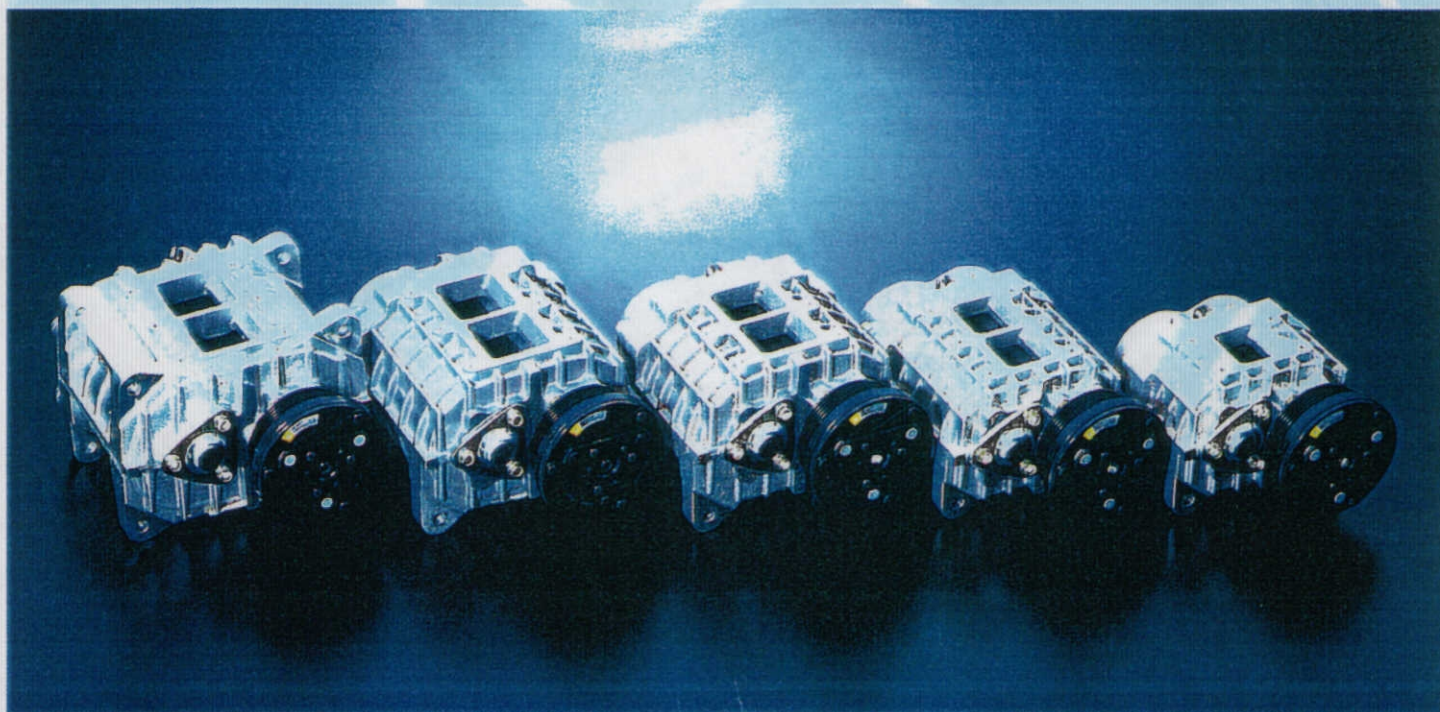
**Equipped with a supercharger,
the vehicle will experience**

- 1.No turbo-lag, immediate response at low rpm
- 2.Improved acceleration at all rpm
- 3.Smooth driving
- 4.Improved fuel efficiency
- 5.Easier installation and maintenance no intercooler,
no exhaust rerouting

FEATURES

Advantages of Ogura supercharger

1. High efficiency of new Wankel rotary design with special coating
2. Superior durability, designed for high operating speed and pressure.
3. Our Supercharger can be easily controlled with our electromagnetic clutch due to small rotor inertia.
4. Reduced noise level of new Wankel rotary design.
5. Wide range of application, suitable to all engine sizes from 500cc.



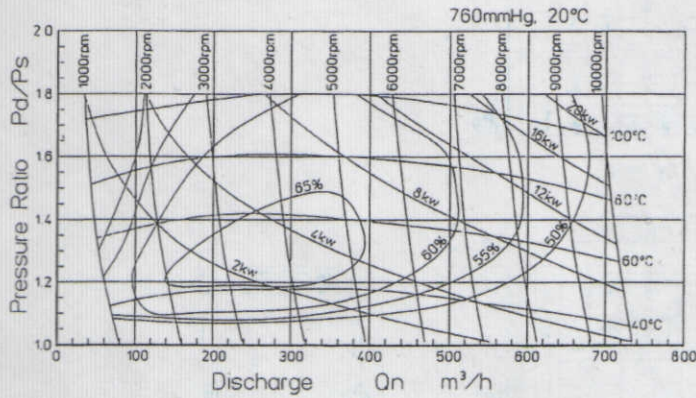
The new Wankel rotary design improved the "Roots" blower by enlarging the sealed area and improving the operating efficiency.

Experience the responsive acceleration at slow speed driving, and of course at highway speed.

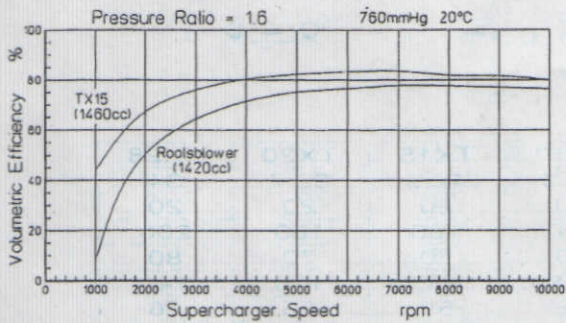
Prove it on Autobahn.



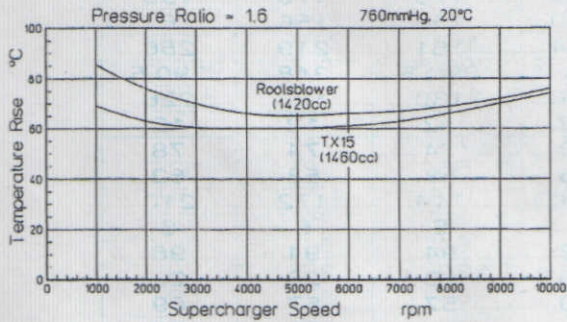
TX15 Supercharger Map



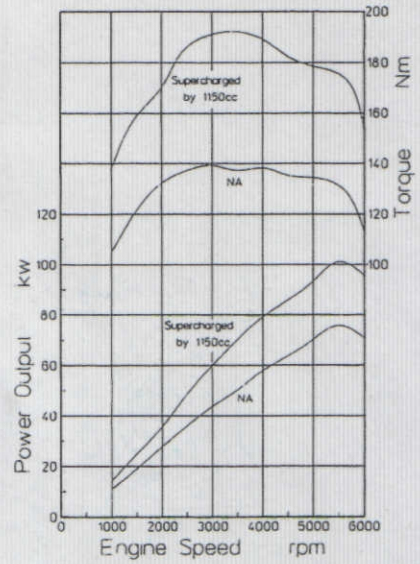
Volumetric Efficiency



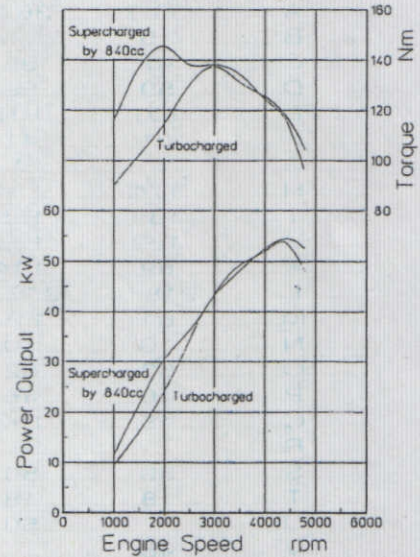
Temperature Rise



Effect of Supercharger 1.8L SOHC Gasoline Engine



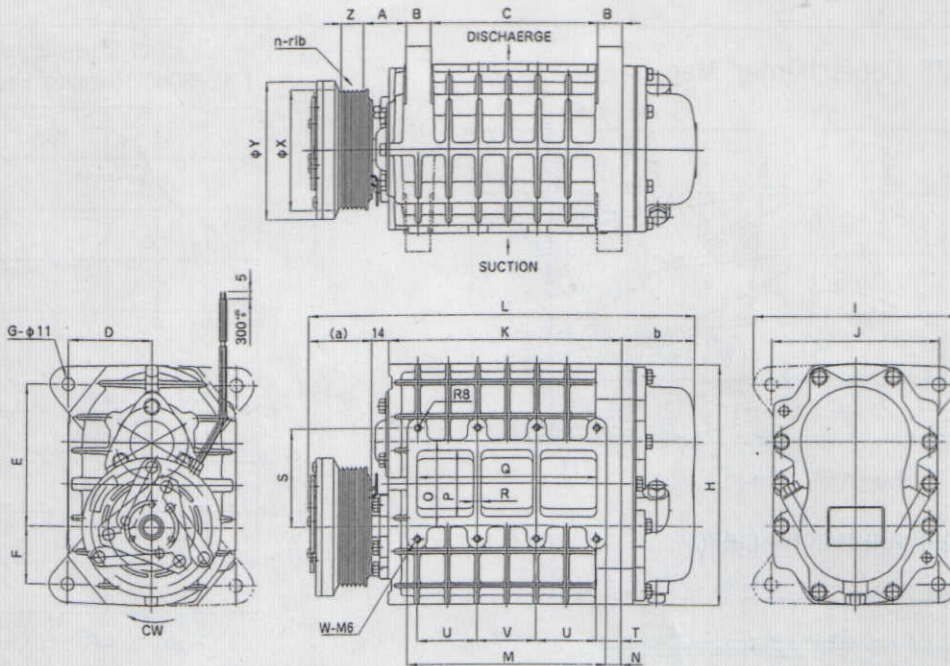
Supercharger vs Turbocharger 1.6L Diesel Engine



SPECIFICATIONS

Item	Unit	TX04	TX07	TX10	TX12	TX15	TX20	TX28
Theoretical Discharge Volume per Revolution	cc/rev	410	730	960	1160	1460	2060	2800
Max.RPM (continuous)	rpm	12,000	12,000	11,000	11,000	10,000	9,000	9,000
Max.RPM (short time)	rpm	15,000	15,000	14,000	14,000	13,000	13,000	13,000
Max.Pressure Ratio (continuous)		1.8	1.8	1.8	1.8	1.8	1.8	1.8
Max.Pressure Ratio (short time)		2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max.Discharge Volume at Max.RPM, Press.Ratio=1.8	m ³ /h	235	415	500	605	675	920	1350
Weight	kgf	5.3	6.6	7.8	8.4	10.0	15.0	21.0

DIMENSIONS



Model	TX04	TX07	TX10	TX12	TX15	TX20	TX28
A	33.3	36.3	30.3	35.3	42.3	33.7	34
B	15	17	20	20	20	20	20
C	47	95	90	110	100	163	200
D	59	59	70	70	70	70	80
E	101	101	118	118	135	135	141
F	41	41	48	48	55	55	56
G	4	4	4	4	8*	8*	8*
H	174	174	200	200	224	226	232
I	135	135	155	155	170	170	190
J	122	122	140	140	156	156	165
K	89	144	139	164	161	219	256
L	218.5	273.5	268.5	293.5	290.5	348	390.5
M	64	116	116	136	130	188	226
N	10	10	8	12	12	12	12
O	62	62	72	72	74	74	78
P	46	46	56	56	58	58	62
Q	48	100	100	120	114	172	210
R	—	6	6	6	6	6	6
S	80	80	92	92	94	94	96
T	18	18	16	20	20	20	20
U	—	50	50	60	57	57	69
V	48	—	—	—	—	58	72
W	8	12	12	12	12	16	16
X	100	100	100	100	100	110	117
Y	115	115	115	155	115	140	140
Z	17.8	17.8	17.8	17.8	17.8	24.92	32.04
a	53	53	53	53	53	53	57
b	62.5	62.5	62.5	62.5	62.5	62.5	63.5
n	6	6	6	6	6	8	10

* TX-15 model has 4 installation stays at each side.

● Any clutch size and nose, etc are available on request.