



PMF A10F

AXIAL PISTON MOTOR



YEOSHE

YEOSHE HYDRAULICS TECHNOLOGY CO.,LTD.



AXIAL PISTON MOTOR

Product name

The PMF Series is an axial piston motor which is used for traveling, swing and winching of industrial machinery and industrial vehicles.

Product Description

PMF Series is a fixed displacement swash type piston motor which combines with weight reduction, down-size and high durability.

PMF Series is designed with a simple structure to keep the outstanding durability against rapid acceleration/deceleration, torque changes by frequent rotation/reverse rotation, and pressure variation.



Specification

	MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm)		TORQUE (kgf·m)		SPEED (rpm)	WEIGHT (kg)
			RATED	MAX	RATED	MAX		
○	PMF-20-01	20	210	250	6.6	8	3000	7.5
○	PMF-25-01	25.7	210	250	8.6	10.2	3000	7.5
○	PMF-25-02/03	25.7	210	250	8.6	10.2	3000	8
○	PMF-25-05/06/07	25.7	210	250	8.6	10.2	3000	8
※	PMF-25-08/09	25.7	210	250	8.6	10.2	3000	8
○	PMF-36-01	36	210	250	12	14.3	3000	10.4
○	PMF-36-04	36	210	250	12	14.3	2800	10.4
○	PMF-39-01/02	39	210	250	13	15.5	2500	10.4
※	PMF-39-03	39	210	250	13	15.5	2500	10.4
○	PMF-43-01	43	210	250	14.3	17.1	3000	10.4
○	PMF-43-02/03/05	43.2	210	250	14.3	17.1	2800	10.4
○	PMF-47-01/11	47	210	250	15.7	18.7	3000	10.4

"※" In Stock, Regular Item ; "○" Custom Orders Accepted

Our company's related products are subject to design changes without prior notice.



AXIAL PISTON MOTOR

Model description

PMF : axial piston motor

product code

Order model :

PMF - 25 - 03 - K
 model Displacement series number axis type

cc/rev : 20
 25.7
 36
 39
 43
 43.2
 47

S : 13T Pressure Angle 20° M1.667 JIS
 K : Please refer to the table below for displacement.



Street Sweeper



Boom Mower

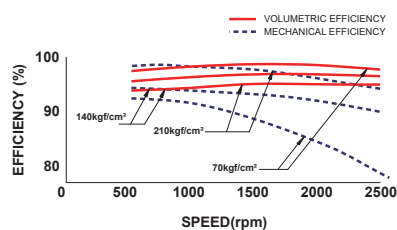


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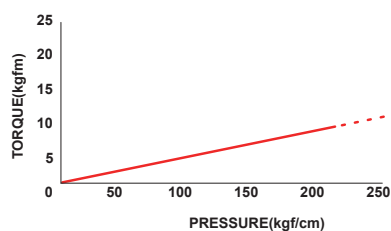
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-20-01	20	210	250	6.6	8	3000	7.5

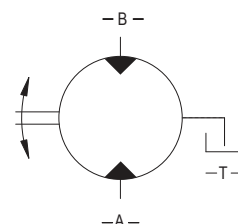
Performance Curve



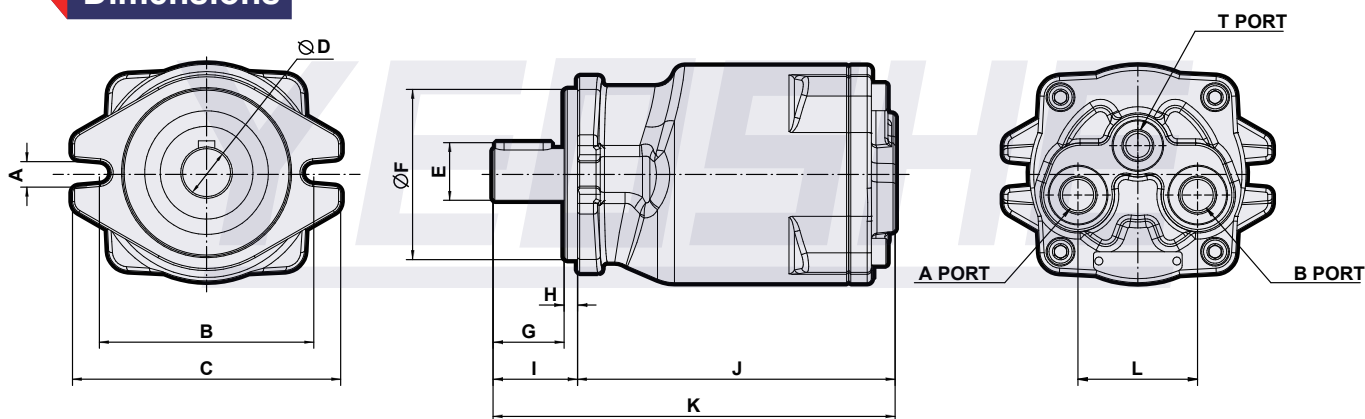
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-20-01-K	11.2	106	130	Ø24	27	Ø82.5	34.5	6.5	41	153.5	194.5	58

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-20-01-K	PF 3/8	PF 3/8

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-20-01-K	7×7×27			KEY TYPE

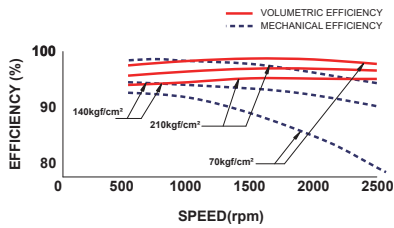


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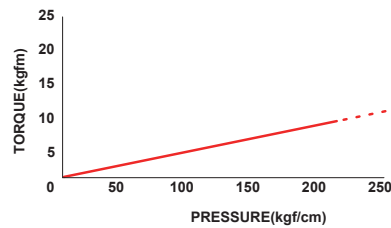
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-25-01	25.7	210	250	8.6	10.2	3000	7.5

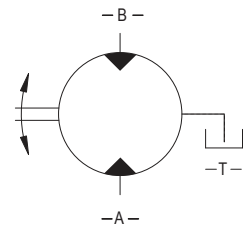
Performance Curve



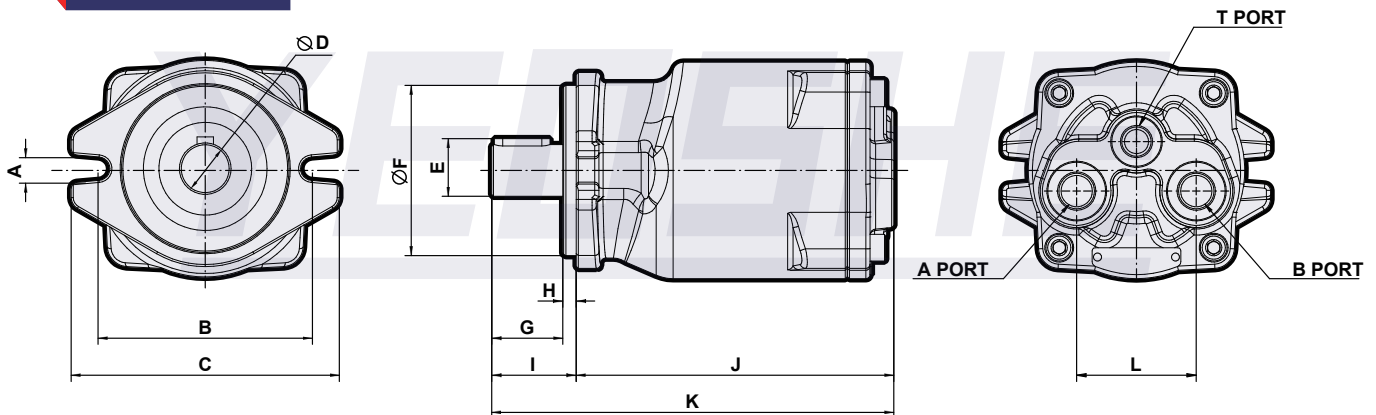
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-25-01-K,D	11.2	106	130	Ø25	Ø28	Ø82.5	34.5	6.5	41	153.5	194.5	58
PMF-25-01-S,F	11.2	106	130	Ø24.667	Ø24.667	Ø82.5	40.5	6.5	47	153.5	200.5	58

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-25-01-K,D	PF 3/8	PF 3/8
PMF-25-01-S,F	PF 3/8	PF 3/8

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-25-01-K,D	8×7×27			KEY TYPE
PMF-25-01-S,F	13	20°	1.667	JIS

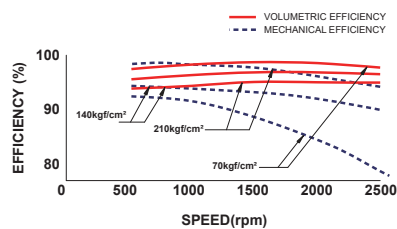


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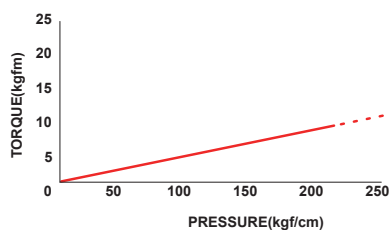
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-25-02/03	25.7	210	250	8.6	10.2	3000	8

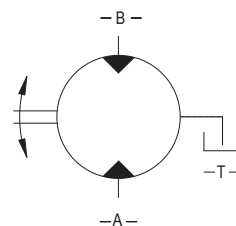
Performance Curve



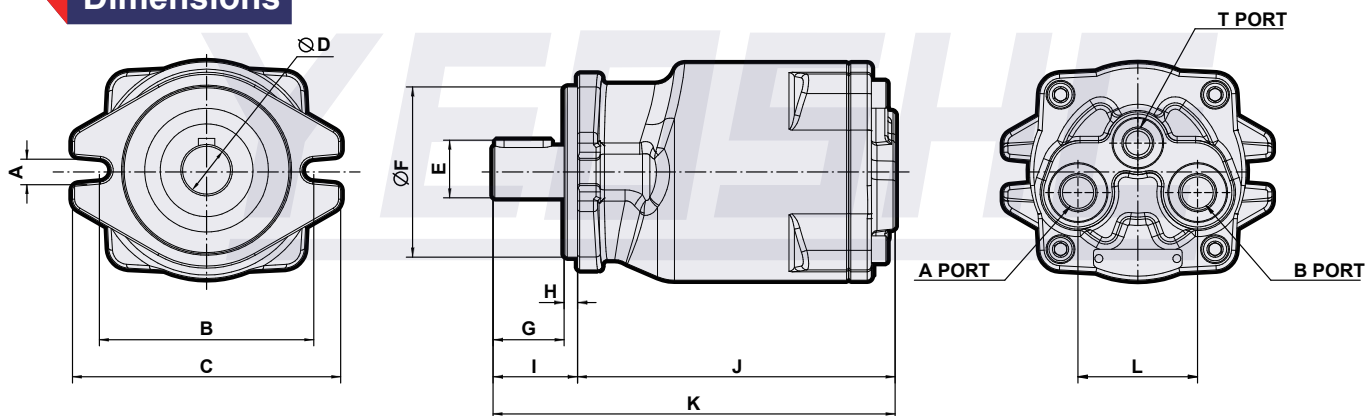
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-25-02-K	15	146	170	Ø24	27	Ø101.6~ Ø101.549	31.9	9.1	41	153.5	194.5	58
PMF-25-02-S	15	146	170	Ø24.667	Ø24.667	Ø101.6~ Ø101.549	41	9.1	50.1	153.5	203.3	58
PMF-25-03-K	15	146	170	Ø24	27	Ø101.6~ Ø101	32.1	9.1	41.2	153.5	194.7	58

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-25-02-K	PF 3/8	PF 3/8
PMF-25-02-S	PF 3/8	PF 3/8
PMF-25-03-K	PF 1/2	PF 1/4

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-25-02-K	7×7×27			KEY TYPE
PMF-25-02-S	13	20°	1.667	JIS
PMF-25-03-K	7×7×27			KEY TYPE

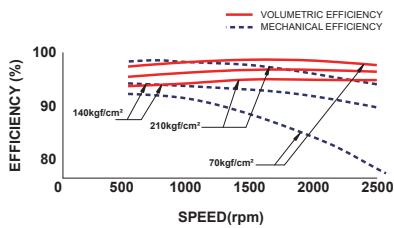


PMF-25-05/06/07

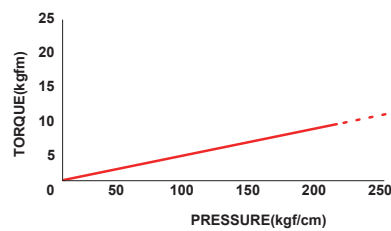
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-25-05/06/07	25.7	210	250	8.6	10.2	3000	8

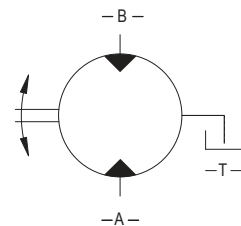
Performance Curve



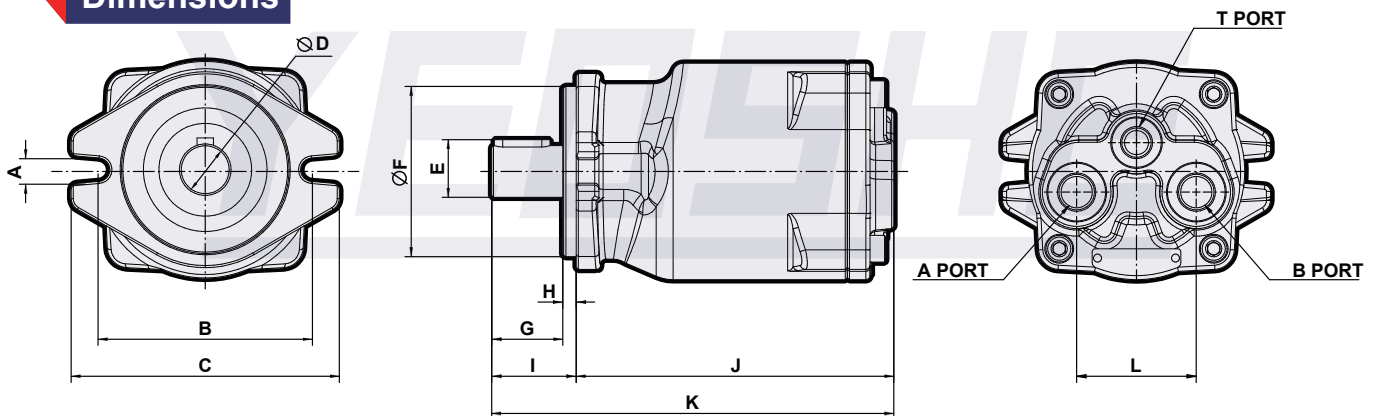
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-25-05-S	15	146	170	Ø24.667	Ø24.667	Ø101.6~Ø101.549	38.2	9.1	47.3	153.5	200.8	58
PMF-25-06-S	11.2	106.3	130	Ø24.667	Ø24.667	Ø82.55	40.8	6.5	47.3	153.5	200.8	58
PMF-25-07-K	11.2	106	130	Ø25	28	Ø82.5	43.5	6.5	50	153.5	203.5	58

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-25-05-S	PF 3/8	PF 3/8
PMF-25-06-S	PF 3/8	PF 3/8
PMF-25-07-K	PF 3/8	PF 3/8

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-25-05-S	13	20°	1.667	JIS
PMF-25-06-S	13	20°	1.667	JIS
PMF-25-07-K	7×7×31.5			KEY TYPE

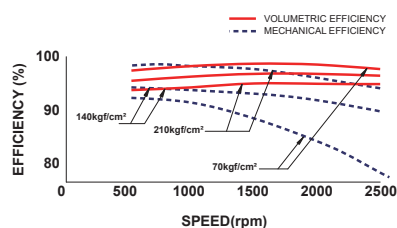


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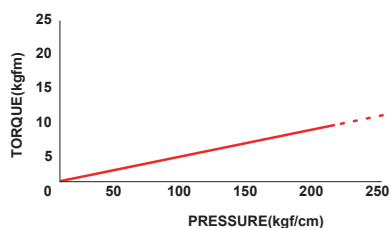
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-25-08/09	25.7	210	250	8.6	10.2	3000	8

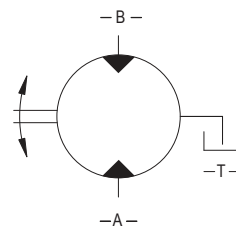
Performance Curve



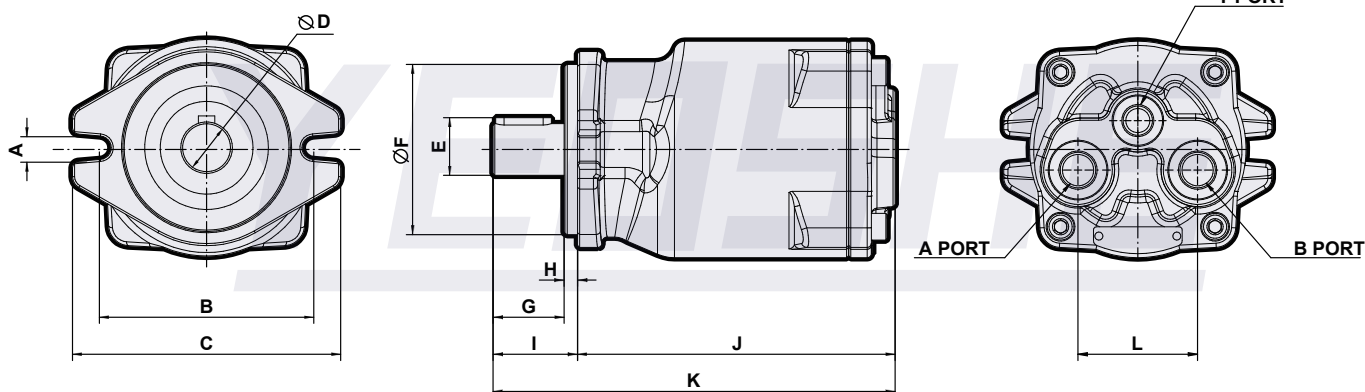
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-25-08-S	15	146	170	Ø24.667	Ø24.667	Ø101.6	38.2	9.1	47.3	153.5	201	58
PMF-25-09-S	11.2	106	130	Ø24.667	Ø24.667	Ø82.55	40.8	6.5	47.3	153.5	201	58

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-25-08-S	PF 3/8	PF 1/4
PMF-25-09-S	PF 3/8	PF 1/4

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-25-08-S	13	20°	1.667	JIS
PMF-25-09-S	13	20°	1.667	JIS

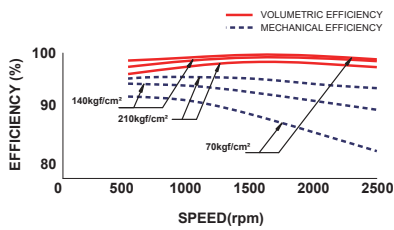


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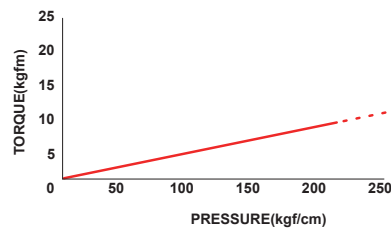
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-36-01	36	210	250	12	14.3	3000	10.4
PMF-36-04	36	210	250	12	14.3	2800	10.4

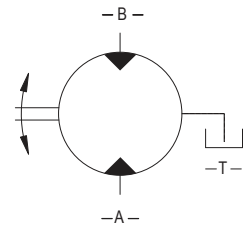
Performance Curve



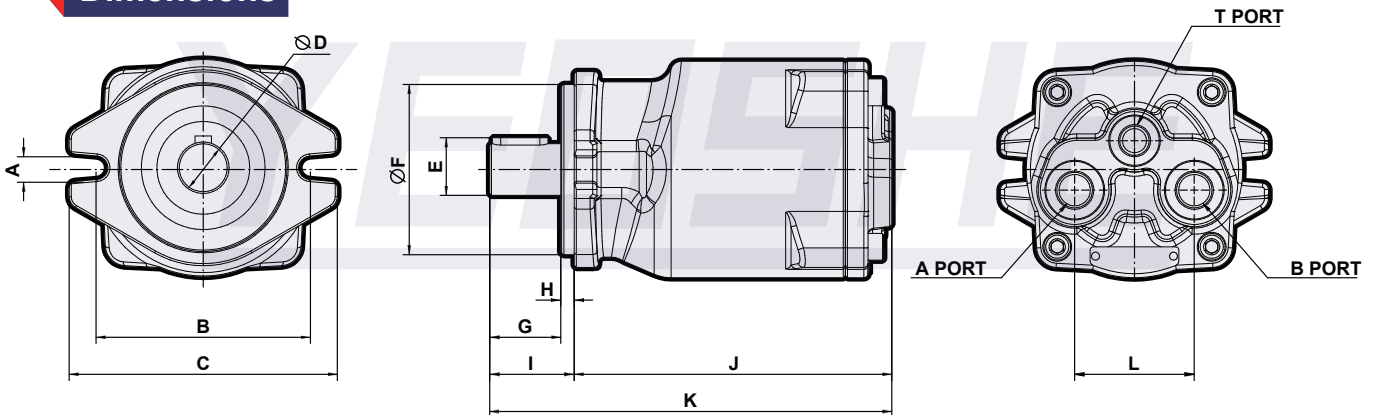
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-36-01-K	15	146	170	Ø24	27	Ø101.6~ Ø101.549	32.1	9.1	41.2	172	213.2	67
PMF-36-01-S	15	146	170	Ø24.667	Ø24.667	Ø101.6~ Ø101.549	48.7	9.1	57.8	172	229.8	67
PMF-36-04-S	11.2	106	130	Ø24.667	Ø24.667	Ø82.55	50	6.5	56.5	172	228.5	67

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-36-01-K	PF 1/2	PF 3/8
PMF-36-01-S	PF 1/2	PF 3/8
PMF-36-04-S	PF 1/2	PF 3/8

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-36-01-K	7×7×27			KEY TYPE
PMF-36-01-S	13	20°	1.667	JIS
PMF-36-04-S	13	20°	1.667	JIS

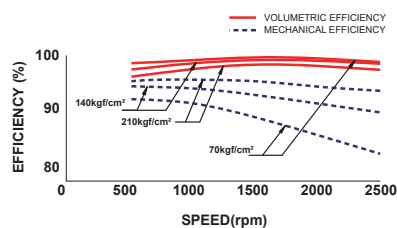


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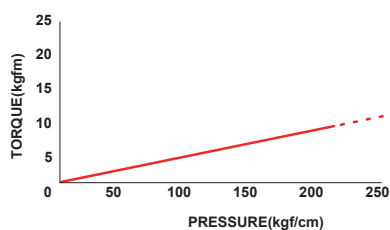
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-39-01/02	39	210	250	13	15.5	2500	10.4

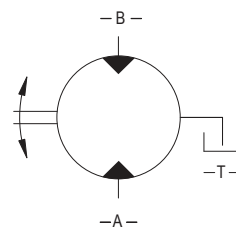
Performance Curve



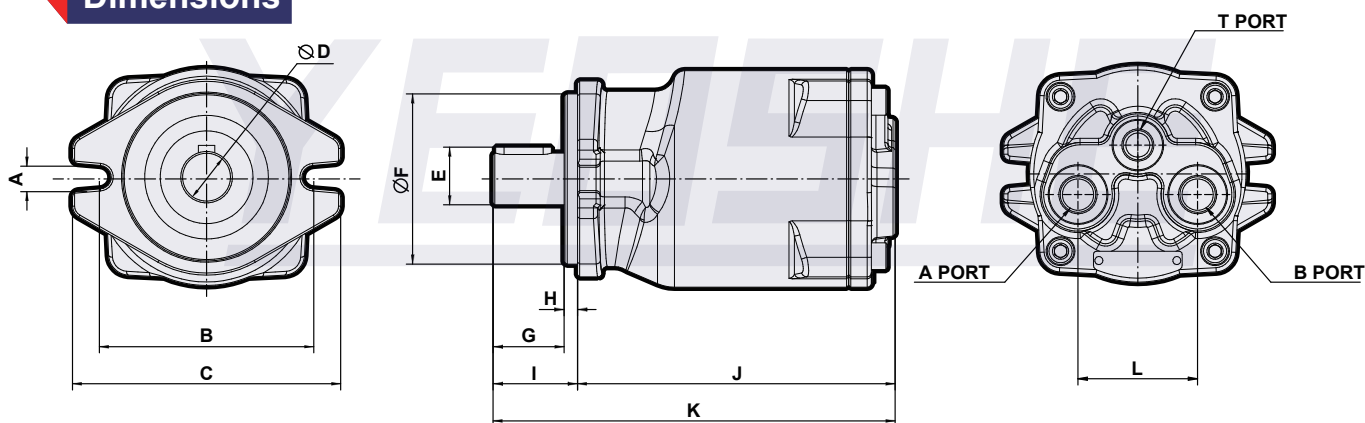
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-39-01-K	15	146	170	Ø24	27	Ø101.6~ Ø101.549	32.1	9.1	41.2	172	213.2	67
PMF-39-01-S	15	146	170	Ø24.667	Ø24.667	Ø82.55	32.1	9.1	41.2	172	213.2	67
PMF-39-02-K	15	146	170	Ø25	28	Ø101.6~ Ø101.549	32.1	9.1	41.2	172	213.2	67

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-39-01-K	PF 1/2	PF 3/8
PMF-39-01-S	PF 1/2	PF 3/8
PMF-39-02-K	PF 1/2	PF 3/8

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-39-01-K	7×7×27			KEY TYPE
PMF-39-01-S	13	20°	1.667	JIS
PMF-39-02-K	7×7×27			KEY TYPE

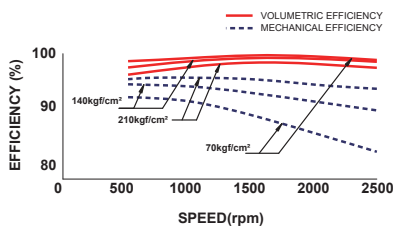


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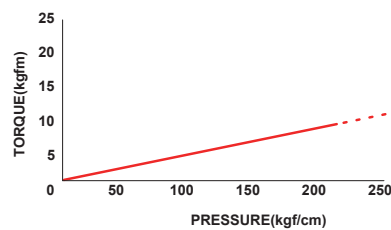
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-39-03	39	210	250	13	15.5	2500	10.4

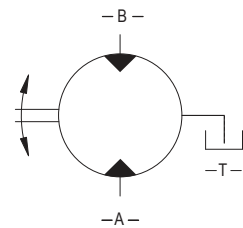
Performance Curve



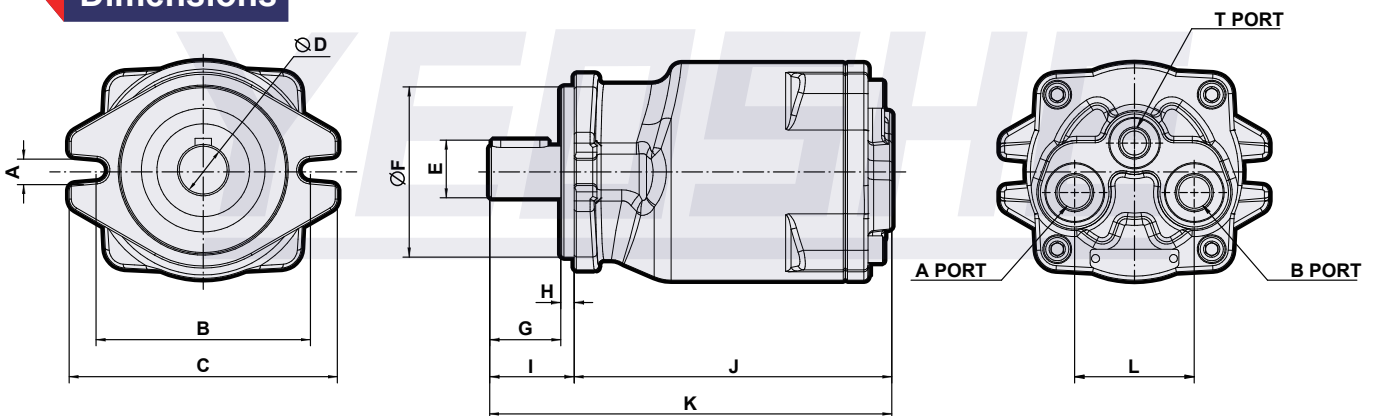
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-39-03-K	15	146	170	Ø25	28	Ø101.6~Ø101.549	37.5	9.1	46.6	172	218.6	67

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-39-03-K	PF 3/8	PF 1/4

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-39-03-K	7×7×31.5			KEY TYPE

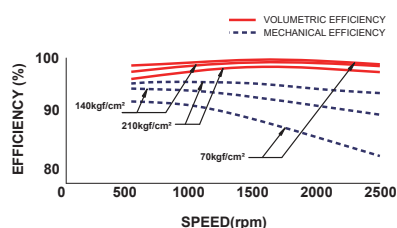


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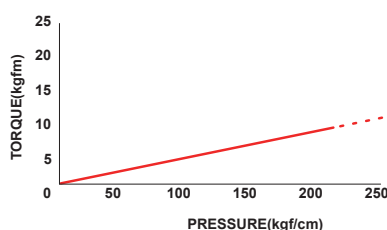
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-43-01	43	210	250	14.3	17.1	3000	10.4
PMF-43-02/03/05	43.2	210	250	14.3	17.1	2800	10.4

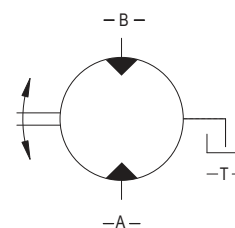
Performance Curve



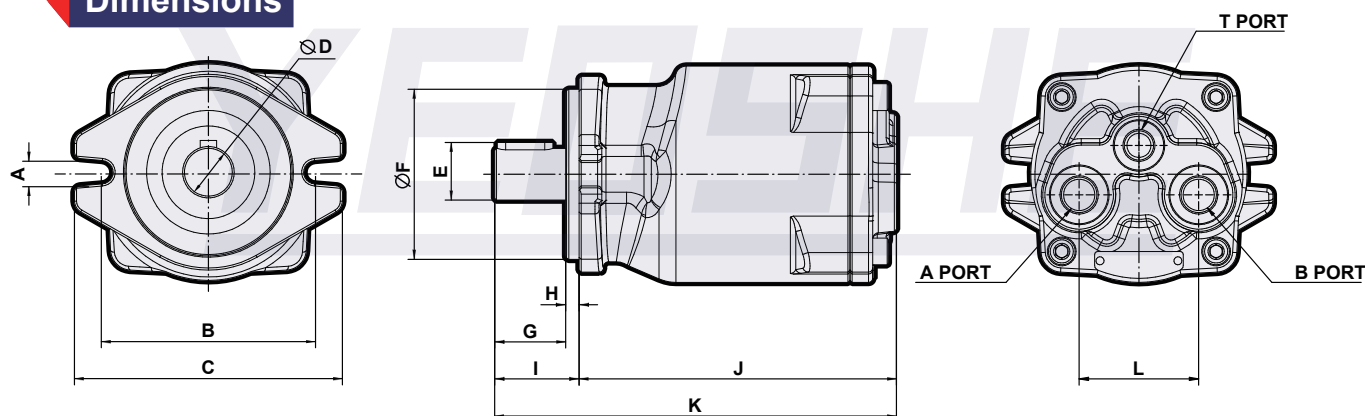
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-43-01-K	13	146	170	Ø24	27	Ø101.6~ Ø101.549	32.1	9.1	41.2	172	213.2	67
PMF-43-02-K	11.2	106	130	Ø22	25	Ø82.55	39.5	6.5	46	172	218	67
PMF-43-03-S	11.2	106	130	Ø24.667	Ø24.667	Ø82.55	50	6.5	56.5	172	228.5	67
PMF-43-05-K	11.2	106	130	Ø25	28	Ø82.55	43.5	6.5	50	172	222	67

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-43-01-K	PF 1/2	PF 3/8
PMF-43-02-K	PF 1/2	PF 3/8
PMF-43-03-S	PF 1/2	PF 3/8
PMF-43-05-K	PF 1/2	PF 3/8

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-43-01-K	7×7×27			KEY TYPE
PMF-43-02-K	7×7×32			KEY TYPE
PMF-43-03-S	13	20°	1.667	JIS
PMF-43-05-K	7×7×31.5			KEY TYPE

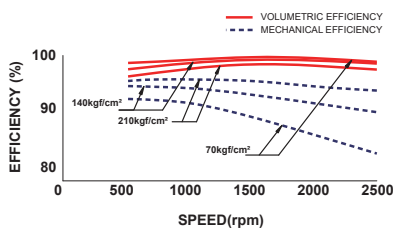


PMF-47-01/11

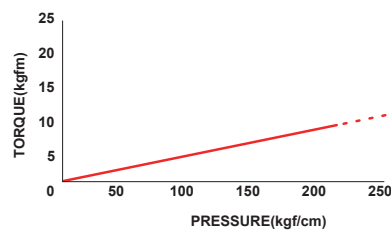
Specification

MODEL	DISPLACEMENT (cc/rev)	PRESSURE (kgf/cm ²)		TORQUE (kgf.m)		SPEED (rpm)	WEIGHT (kg)
		RATED	MAX	RATED	MAX		
PMF-47-01/11	47	210	250	15.7	18.7	3000	10.4

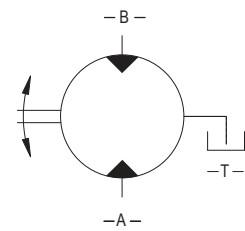
Performance Curve



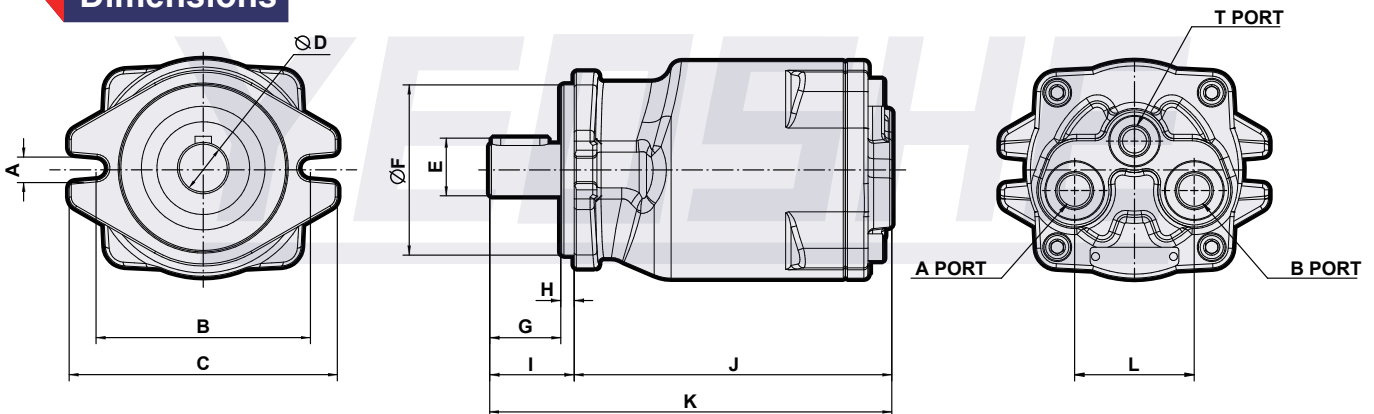
Output Torque



Symbol



Dimensions



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
PMF-47-01-K	15	146	170	Ø24	27	Ø101.6~ Ø101.549	32.1	9.1	41.2	172	213.2	67
PMF-47-01-S	15	146	170	Ø24.667	Ø24.667	Ø101.6~ Ø101.549	51.5	9.1	60.6	172	232.6	67
PMF-47-11-K	11.2	106	130	Ø25	28	Ø82.55	48.5	6.5	55	172	227	67

Port Size

MODEL	INLET / OUTLET PORT	CASE DRAIN PORT
PMF-47-01-K	PF 1/2	PF 3/8
PMF-47-01-S	PF 1/2	PF 3/8
PMF-47-11-K	PF 1/2	PF 3/8

Dimensions of Shaft

MODEL	NO. OF TEETH	PRESSURE	ANGLE	RULE
PMF-47-01-K	7×7×27			KEY TYPE
PMF-47-01-S	13	20°	1.667	JIS
PMF-47-11-K	8×7×38			KEY TYPE

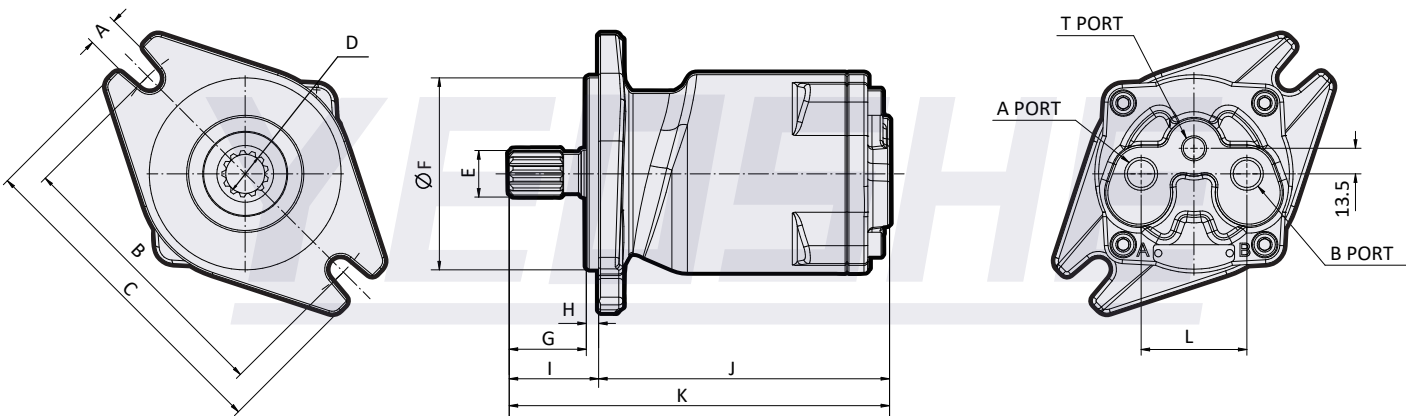


A10F



Dimensions

PRESSURE : 280 kgf/cm² SPEED : 3600 rpm



MODEL	A	B	C	D / E	F	G	H	I	J	K	L
A10F25	15	146	174	Ø24.667×M1.667×13T×20°	101.6	40.8	6.5	47.3	154	201.3	56

Port Size

MODEL	INLET/OUTLET PORT	CASE DRAIN PORT
A10F25	PT 3/8	PT 1/4



Hydraulic aerial cage



Sliding Loader

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