

# 三山 METERING PUMP DATA SHEET

DATE : 2010. 01. 14

PURCHASER : _____ USER : _____ PROJECT NO. : _____ PUMP DESCRIPT : _____	SHEET NO. : _____ OF _____ SPEC. NO. : _____ NO. REQUIRED : _____ ITEM NO. : _____						
<b>PUMP SPECIFICATION</b> TYPE : <u>DIAPHRAGM</u> MODEL : <u>ST-50-VTC-HWS</u> DISCHARGE VOLUME : <u>0.050</u> L/min DISCHARGE PRESS. : <u>15</u> kg <sup>f</sup> /cm <sup>2</sup> G SUCTION HEAD : <u>- 1</u> M STROKE SPEED : <u>46</u> S. P. M NPSH : <u>2</u> M	<b>OPERATION CONDITIONS</b> SERVICE LIQUID : _____ NATURE LIQUID : _____ CAPACITY : _____ L/min LIQUID TEMP. : _____ °C SPECIFIC GRAVITY : _____ VISCOSITY : _____ CP DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G SUCTION PRESS. : _____ kg/cm <sup>2</sup> G NPSH AVAIL. : _____ M						
<b>LIQUID END MATERIAL</b> PUMP HEAD : <u>P. V. C.</u> DIAPHRAGM : <u>PTFE + EPDM</u> CHECK BALL : <u>CERAMIC</u> BALL SEAT : <u>P. V. C.</u> BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b> MANUFACTURER : <u>GGM or OTHER MAKERS</u> PHASE : <u>SINGLE PHASE</u> TYPE/MODEL : <u>AC INDUCTION</u> POLES : <u>2</u> OUTPUT : <u>0.004</u> kW INS. CLASS : <u>E</u> VOLTAGE : <u>220</u> V SPEED : <u>3450</u> RPM FREQUENCY : <u>60</u> Hz ENCLOSURE : <u>TEFC</u>							
<b>CONNECTION TYPE</b> SUCTION : <u>HOSE ø6 × ø10</u> DISCHARGE : <u>HOSE ø6 × ø10</u> PAINTING : _____							
APPROX WEIGHT : <u>2.7kg</u>							
ACCESSORIES				SPARE PART LIST			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING			REVISION				
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	

# 三山

# METERING PUMP DATA SHEET

DATE : 2010. 01. 14

PURCHASER : _____				SHEET NO. : _____ OF _____			
USER : _____				SPEC. NO. : _____			
PROJECT NO. : _____				NO. REQUIRED : _____			
PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>ST-100-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.100</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>10</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>92</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>P. V. C.</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>P. V. C.</u>							
BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>2</u>			
OUTPUT : <u>0.004</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>3450</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TEFC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : <u>2.7kg</u>							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	

# 三山 METERING PUMP DATA SHEET

DATE : 2010. 01. 14

PURCHASER : _____				SHEET NO. : _____ OF _____			
USER : _____				SPEC. NO. : _____			
PROJECT NO. : _____				NO. REQUIRED : _____			
PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>ST-150-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.150</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>5</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>46</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>P. V. C.</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>P. V. C.</u>							
BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>2</u>			
OUTPUT : <u>0.004</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>3450</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TEFC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : <u>2.8kg</u>							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	

# 三山 METERING PUMP DATA SHEET

DATE : 2010. 01. 14.

PURCHASER : _____ USER : _____ PROJECT NO. : _____ PUMP DESCRIPT : _____	SHEET NO. : _____ OF _____ SPEC. NO. : _____ NO. REQUIRED : _____ ITEM NO. : _____						
<b>PUMP SPECIFICATION</b> TYPE : <u>DIAPHRAGM</u> MODEL : <u>ST-300-VTC-HWS</u> DISCHARGE VOLUME : <u>0.300</u> L/min DISCHARGE PRESS. : <u>5</u> kg <sup>f</sup> /cm <sup>2</sup> G SUCTION HEAD : <u>- 1</u> M STROKE SPEED : <u>92</u> S. P. M NPSH : <u>2</u> M	<b>OPERATION CONDITIONS</b> SERVICE LIQUID : _____ NATURE LIQUID : _____ CAPACITY : _____ L/min LIQUID TEMP. : _____ °C SPECIFIC GRAVITY : _____ VISCOSITY : _____ CP DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G SUCTION PRESS. : _____ kg/cm <sup>2</sup> G NPSH AVAIL. : _____ M						
<b>LIQUID END MATERIAL</b> PUMP HEAD : <u>P. V. C.</u> DIAPHRAGM : <u>PTFE + EPDM</u> CHECK BALL : <u>CERAMIC</u> BALL SEAT : <u>P. V. C.</u> BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b> MANUFACTURER : <u>GGM or OTHER MAKERS</u> PHASE : <u>SINGLE PHASE</u> TYPE/MODEL : <u>AC INDUCTION</u> POLES : <u>2</u> OUTPUT : <u>0.004</u> kW INS. CLASS : <u>E</u> VOLTAGE : <u>220</u> V SPEED : <u>3450</u> RPM FREQUENCY : <u>60</u> Hz ENCLOSURE : <u>TEFC</u>							
<b>CONNECTION TYPE</b> SUCTION : <u>HOSE ø6 × ø10</u> DISCHARGE : <u>HOSE ø6 × ø10</u> PAINTING : _____							
APPROX WEIGHT : <u>2.8kg</u>							
ACCESSORIES				SPARE PART LIST			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING			REVISION				
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	



# METERING PUMP DATA SHEET

DATE : 2010. 01. 14

PURCHASER : _____				SHEET NO. : _____ OF _____			
USER : _____				SPEC. NO. : _____			
PROJECT NO. : _____				NO. REQUIRED : _____			
PUMP DESCRIPT : _____				ITEM NO. : _____			
<b>PUMP SPECIFICATION</b>				<b>OPERATION CONDITIONS</b>			
TYPE : <u>DIAPHRAGM</u>				SERVICE LIQUID : _____			
MODEL : <u>ST-600-VTC-HWS</u>				NATURE LIQUID : _____			
DISCHARGE VOLUME : <u>0.600</u> L/min				CAPACITY : _____ L/min			
DISCHARGE PRESS. : <u>3</u> kg <sup>f</sup> /cm <sup>2</sup> G				LIQUID TEMP. : _____ °C			
SUCTION HEAD : <u>- 1</u> M				SPECIFIC GRAVITY : _____			
STROKE SPEED : <u>92</u> S. P. M				VISCOSITY : _____ CP			
NPSH : <u>2</u> M				DISCHARGE PRESS. : _____ kg/cm <sup>2</sup> G			
				SUCTION PRESS. : _____ kg/cm <sup>2</sup> G			
				NPSH AVAIL. : _____ M			
<b>LIQUID END MATERIAL</b>							
PUMP HEAD : <u>P. V. C.</u>							
DIAPHRAGM : <u>PTFE + EPDM</u>							
CHECK BALL : <u>CERAMIC</u>							
BALL SEAT : <u>P. V. C.</u>							
BALL GUIDE : <u>P. V. C.</u>							
<b>MOTOR SPECIFICATION</b>							
MANUFACTURER : <u>GGM or OTHER MAKERS</u>				PHASE : <u>SINGLE PHASE</u>			
TYPE/MODEL : <u>AC INDUCTION</u>				POLES : <u>2</u>			
OUTPUT : <u>0.004</u> kW				INS. CLASS : <u>E</u>			
VOLTAGE : <u>220</u> V				SPEED : <u>3450</u> RPM			
FREQUENCY : <u>60</u> Hz				ENCLOSURE : <u>TEFC</u>			
<b>CONNECTION TYPE</b>							
SUCTION : <u>HOSE ø6 × ø10</u>				DISCHARGE : <u>HOSE ø6 × ø10</u>			
PAINTING : _____							
APPROX WEIGHT : <u>3.1kg</u>							
<b>ACCESSORIES</b>				<b>SPARE PART LIST</b>			
NO.	PART NAME	SPEC.	Q'TY	NO.	PART NAME	SPEC.	Q'TY
1	AIR CHAMBER			1	DIAPHRAGM		
2	RELIEF VALVE			2	CHECK BALL		
3	BACK PRESS V/V			3			
4	ANCHOR B/N			4			
5	MANUAL			5			
NOTE. FLOW CONTROL METHOD WHILE RUNNING				REVISION			
PREPARED BY	CHECKED BY	APPROVED BY	NO.	REVISED BY	CHECKED BY	APPROVED BY	